

Revised in 1961 (Originally by Elda Merton & Leo Brueckner) en la grafia de la la la grafia de la la grafia de la companya de la companya de la companya de la companya de

class lesson suggests ways to show the numbers on the next page.

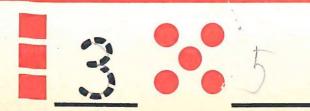
", meaning, quantity, and social uses of 2.

Joss the ways of showing 2 pictured here. They constrate ways to show 2 in their classroom. This



two

		one
	2	two
	3	three
200 200 200 200 200 200 200 200 200 200	4	four
The still st	5	five

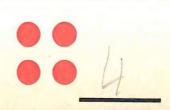


one



four

three



five

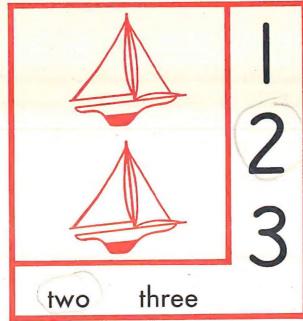


the disks. They then draw the disk pattern and write the symbol ith for the number names below the boxes.

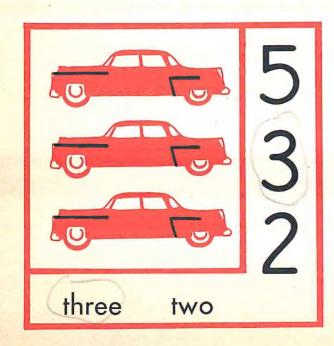
Learning to construct the semi-concrete group patterns for the numbers from 1 to 5. Children first construct groupings with

Draw a line around the number that tells how many.

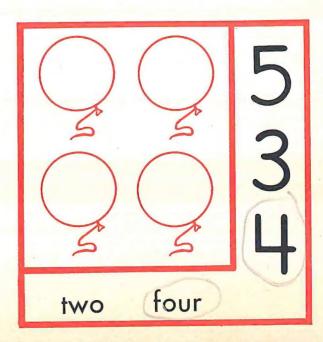


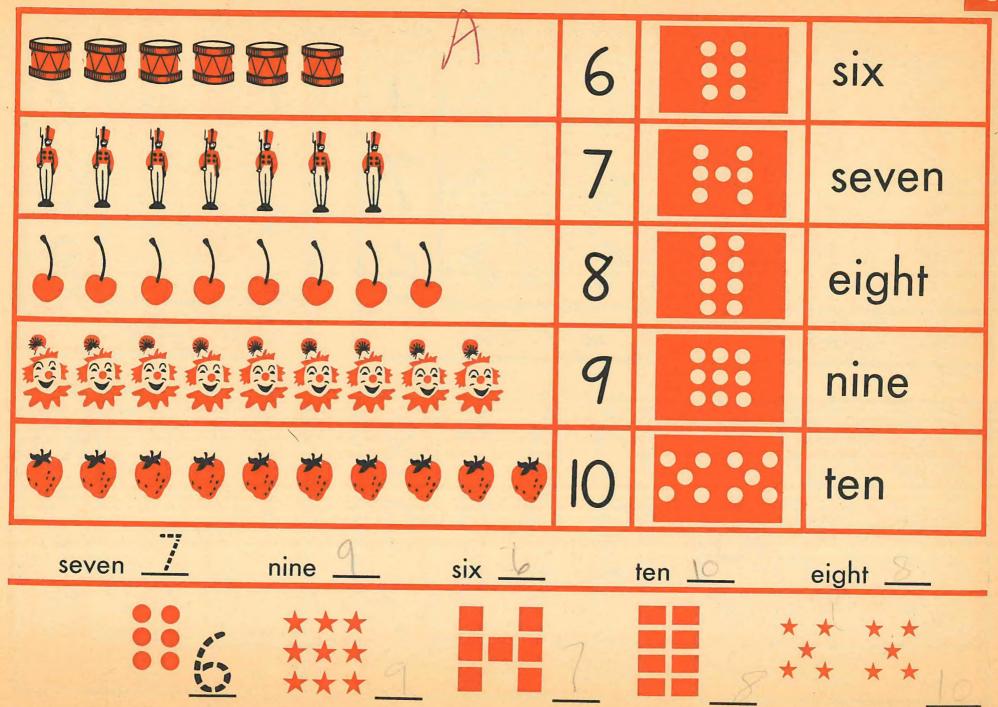




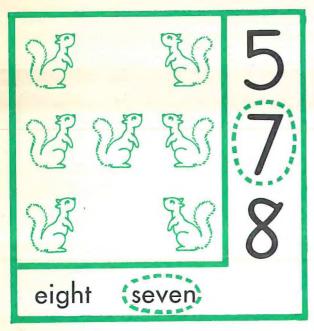


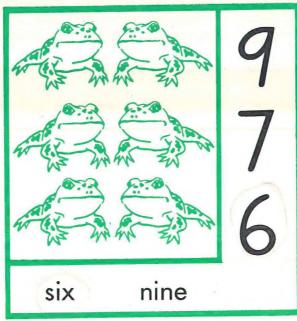


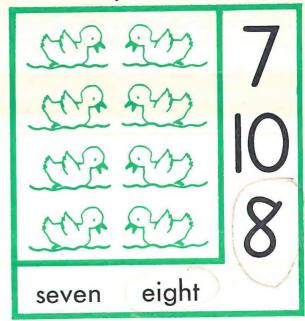


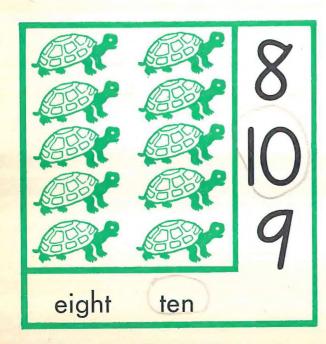


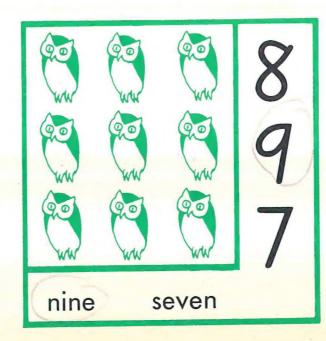
Draw a line around the number that tells how many.

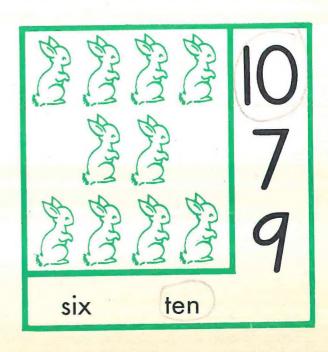


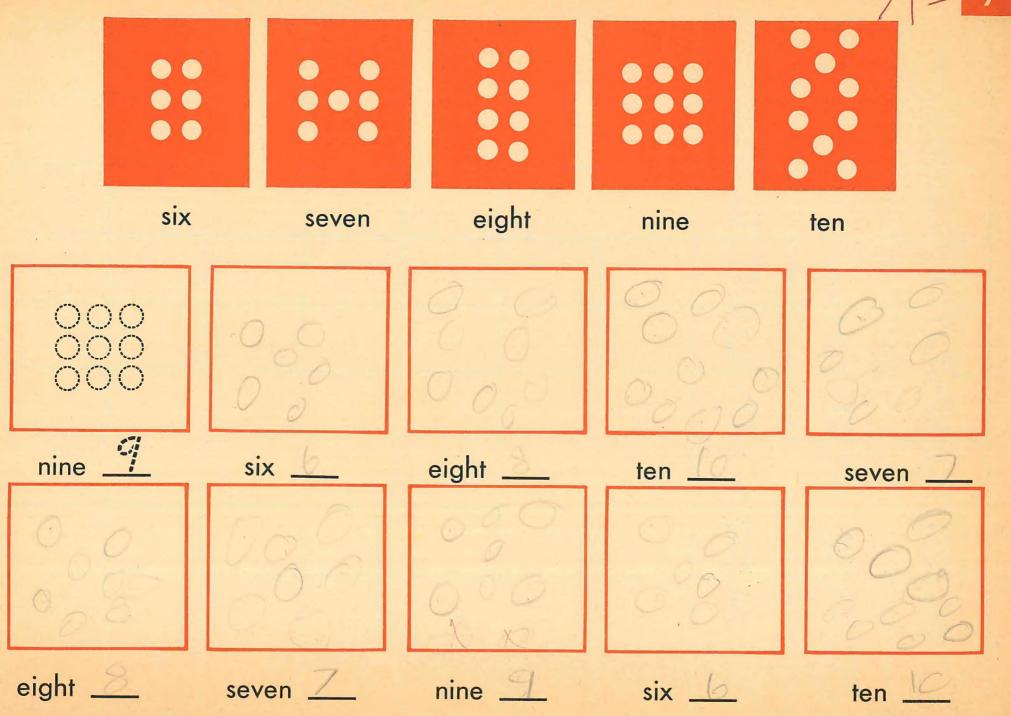












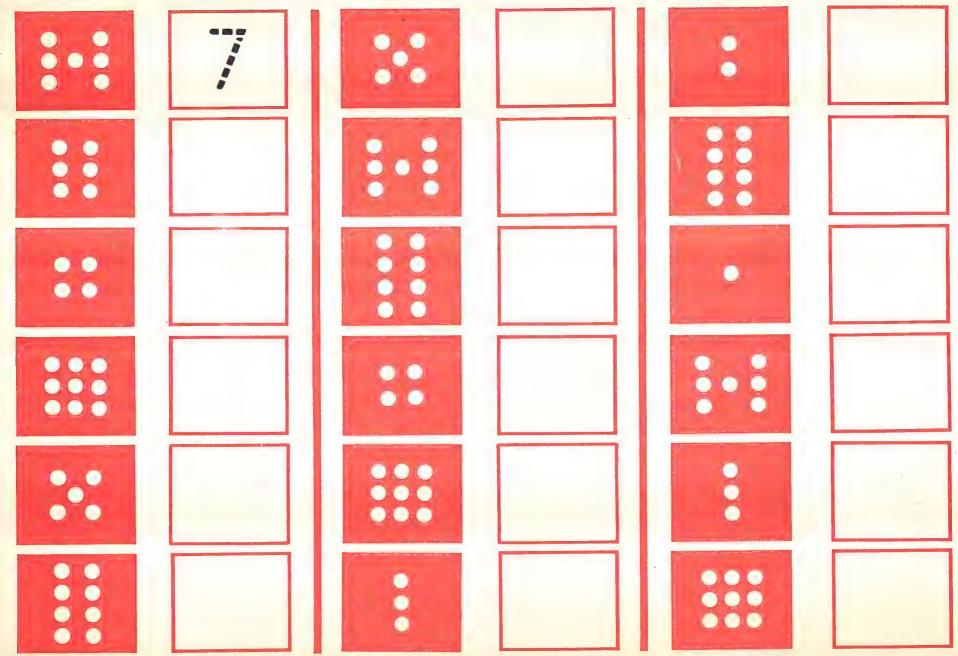
and the broken line. Explain that the correct direction of the stroke is indicated by the direction of the arrow.

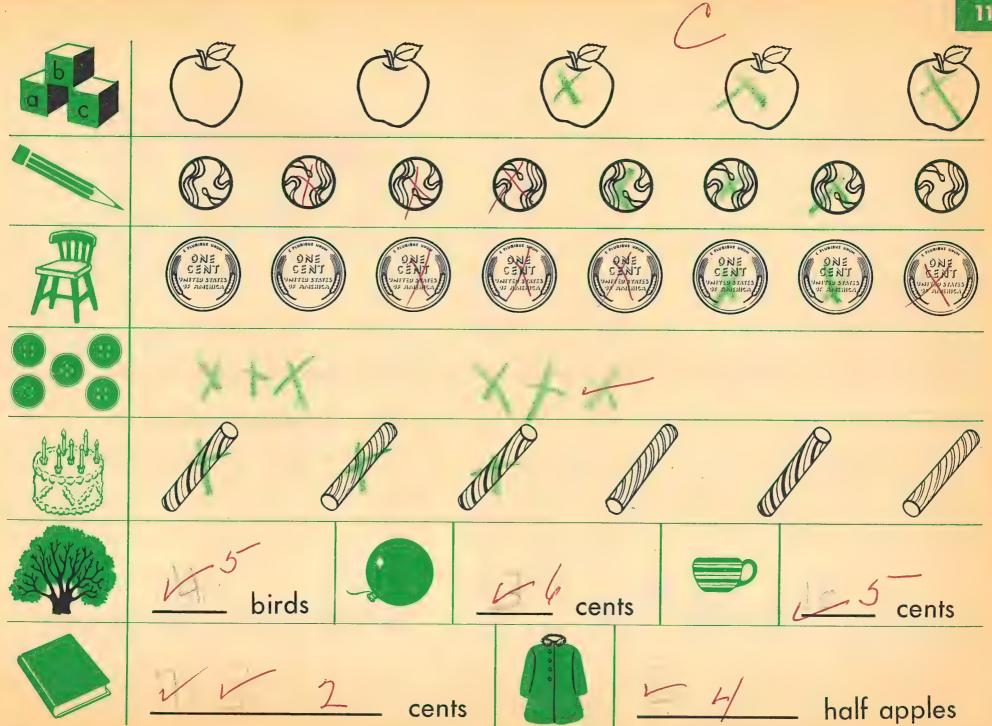
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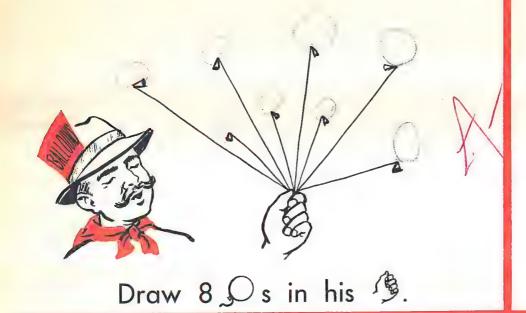
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umbers. See		\$47	7	4¢	47	47¢	
Exploratory Readiness Test, Part I, Knowledge of Numbers. See the Teachers Edition for detailed directions for giving and scor-							
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Exploratory Rec the Teachers Ed		eight		one half			

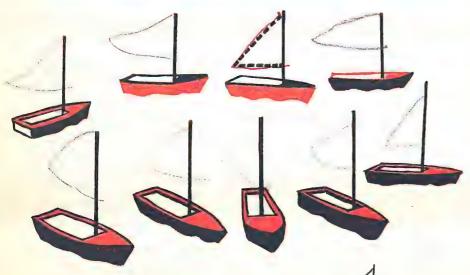
Write the number that tells how many.





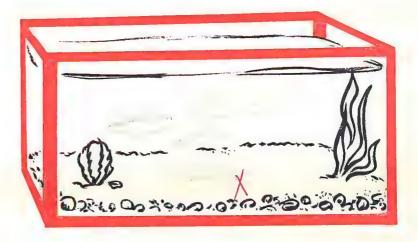




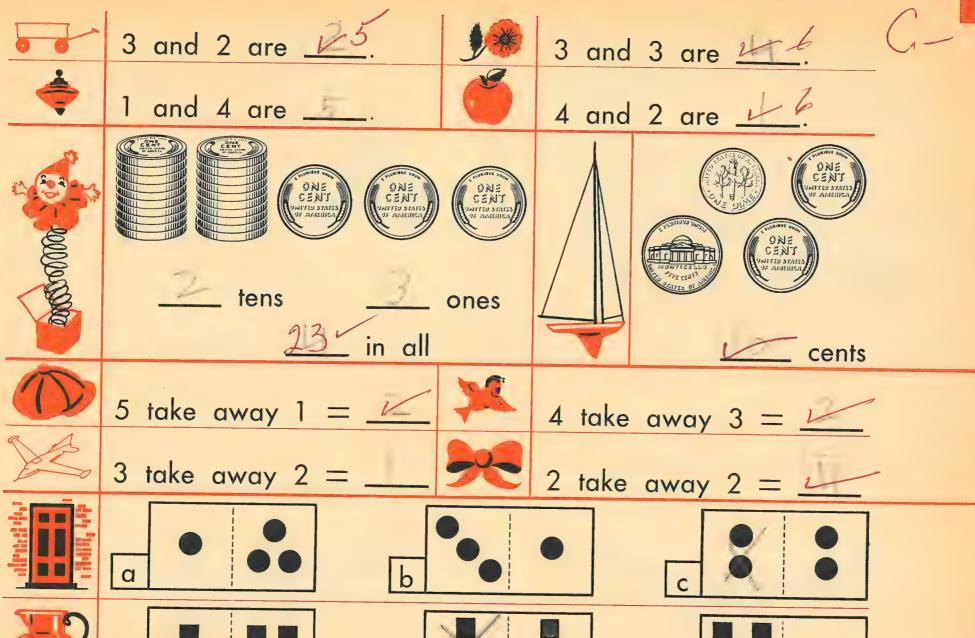


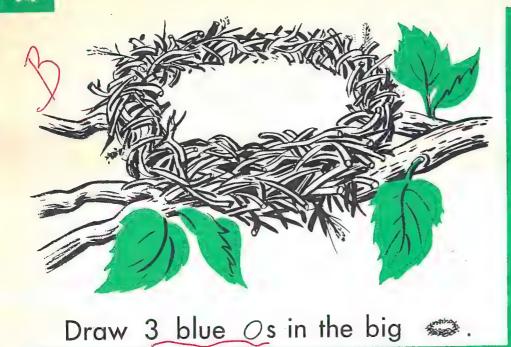
Draw the sails on 9 s





Draw 4 win the big .



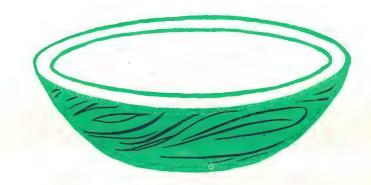




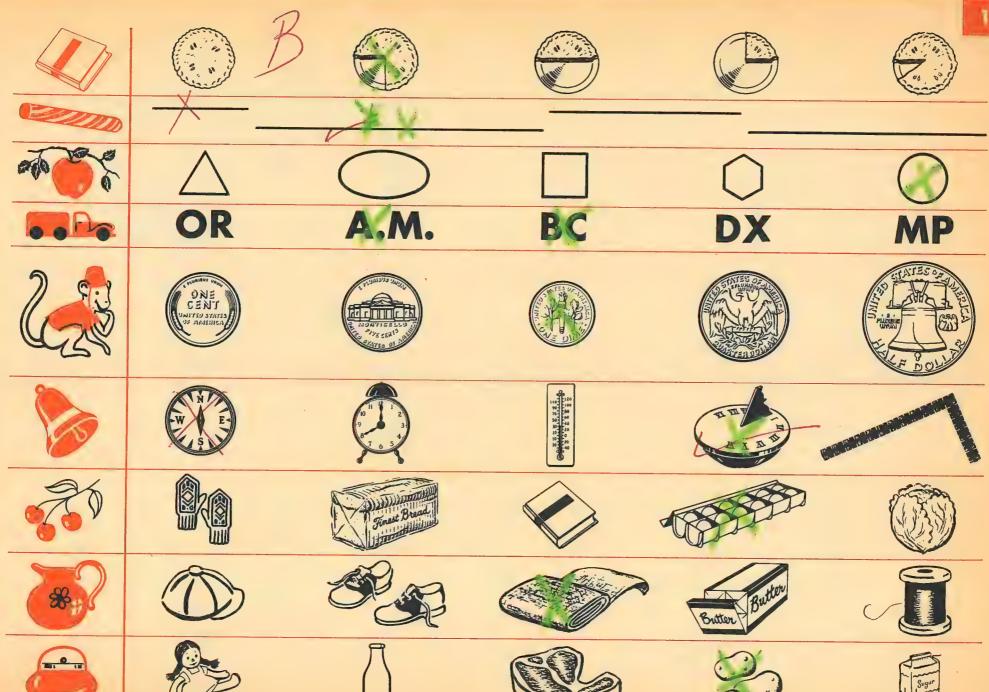
Draw 5 @s in the big .

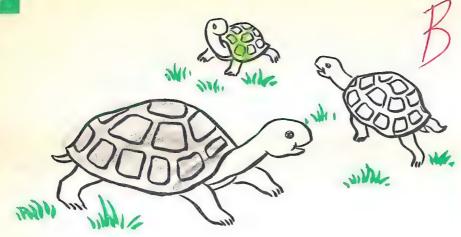


Draw 7 s on the big .



Draw 6 ds in the big .





Color the largest.

Put X on the smallest.



Color the largest .

Put X on the smallest.



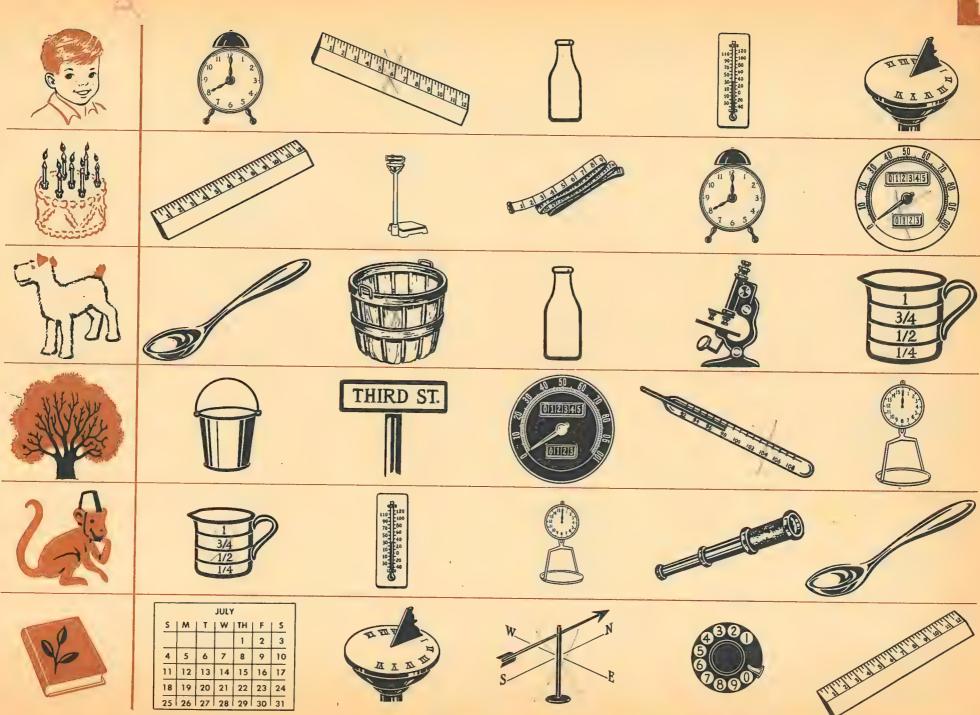
Put X on the tallest.

Color the shortest.



Color the tallest.

Put X on the shortest.





























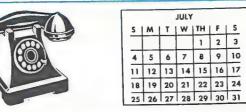












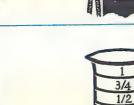
























first	second	second third		four	h	fifth
second first third		fourth fifth third		fourth second third		fifth third fourth
four third seco		third fourth fifth		first fifth fourth	Az	fourth fifth first
first four fifth	th I	fifth fourth first		first second third		third fifth fourth

Sally took a sheet of paper. She took 5 disks.

She put 4 disks at the top, like this: ::

She put 1 disk at the bottom, like this: ::

Sally will now tell you how she shows a number story.



Point to the 4 disks. Say, "4."



Point to the 1 disk.
Say, "and 1."



Circle all the disks.

Say, "are 5."

Now say, "4 and 1 are 5."

Now slide the paper around so that the 1 disk is at the top.



Point to the 1 disk. Say, "1."



Point to the 4 disks. Circle all the disks. Say, "and 4." Say, "are 5."



Circle all the disks.

Say, "are 5."

Now say, "1 and 4 are 5."

Sally made a disk picture of 5 with 4 at the top.

She will now tell you how she shows the take-away stories.



Circle all the disks.

Say, "5."



Say, "take away 4." Say, "is 1."



Cover the 4 disks. See how many are left.

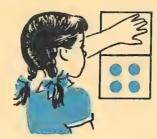
Now say, "5 take away 4 is 1."

Now slide the paper around so that the 1 disk is at the top.

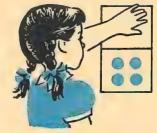


Circle all the disks.

Say, "5."



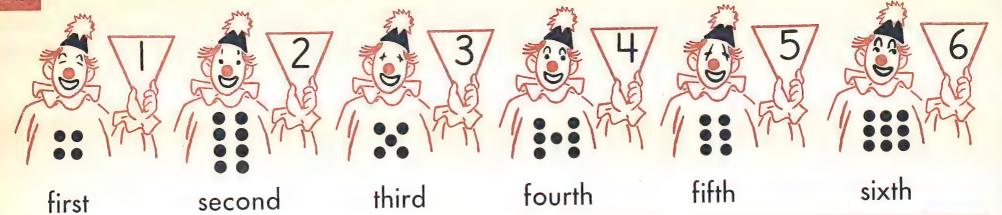
Say, "take away 1." Say, "are 4."



Cover the 1 disk. See how many are left.

Now say, "5 take away 1 are 4."





Write the number in the hand of:
the first clown



the third clown ____ the fifth clown ___ the second clown ___ the fourth clown ___ the sixth clown ____

Write the number of son the of:

the third clown ____

the first clown ____

the sixth clown ___

the fifth clown ____

the second clown ____

two	-		
civ	6		

four ____

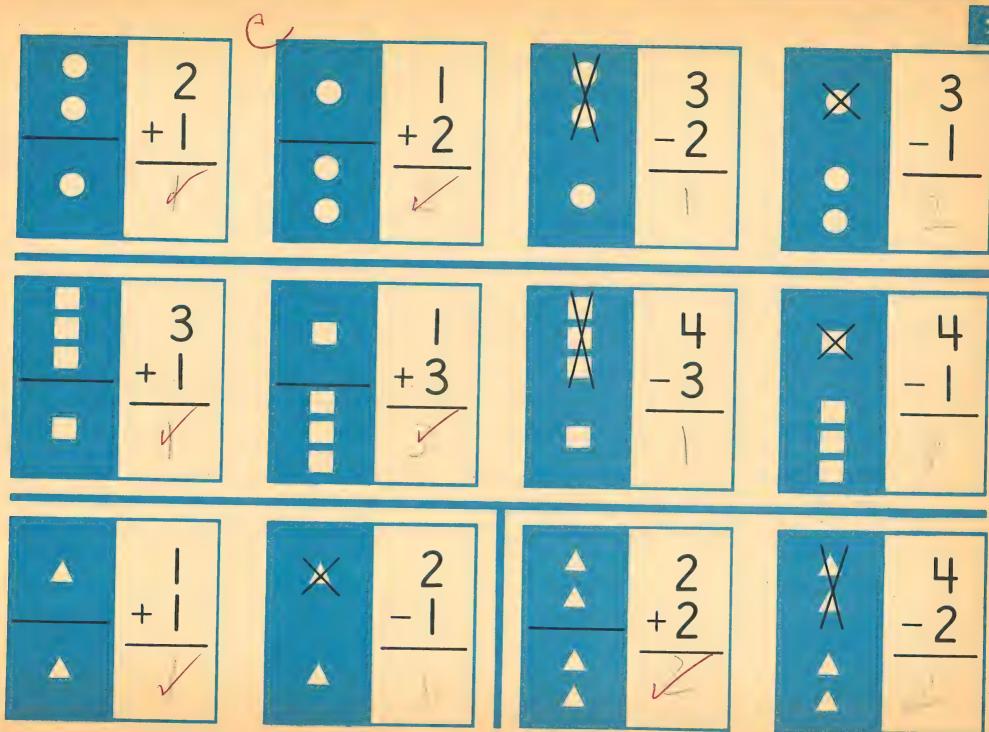
seven ____

one _____ten ____

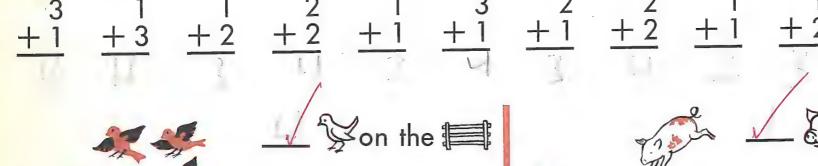
eight ____

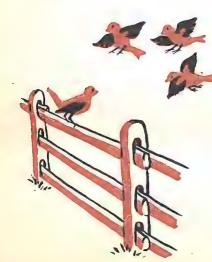
Visualizing groups of related facts. Following the suggested procedure on pages 20 and 21, children find the answers to

the four related groupings in the top row. They do this for each of the three rows. They then write the missing answers.

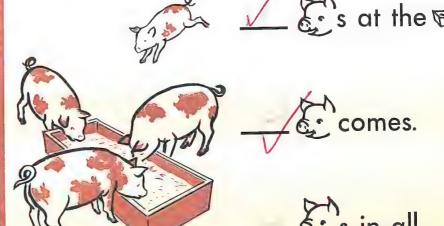


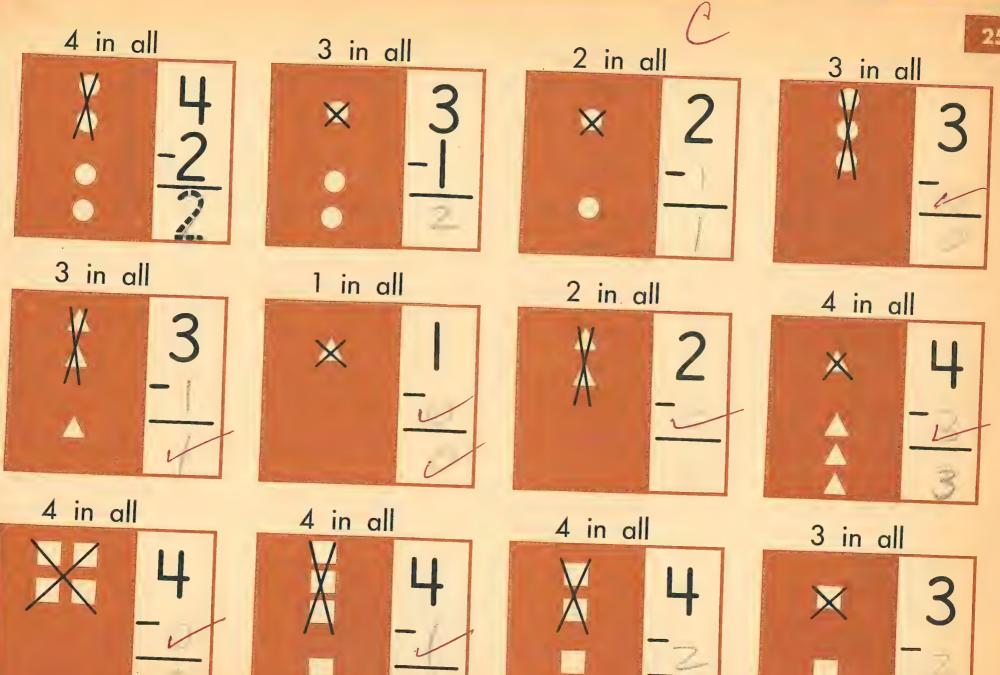
How Many Are There in All?











How Many Are Left?



There were 4 sas on the TT.

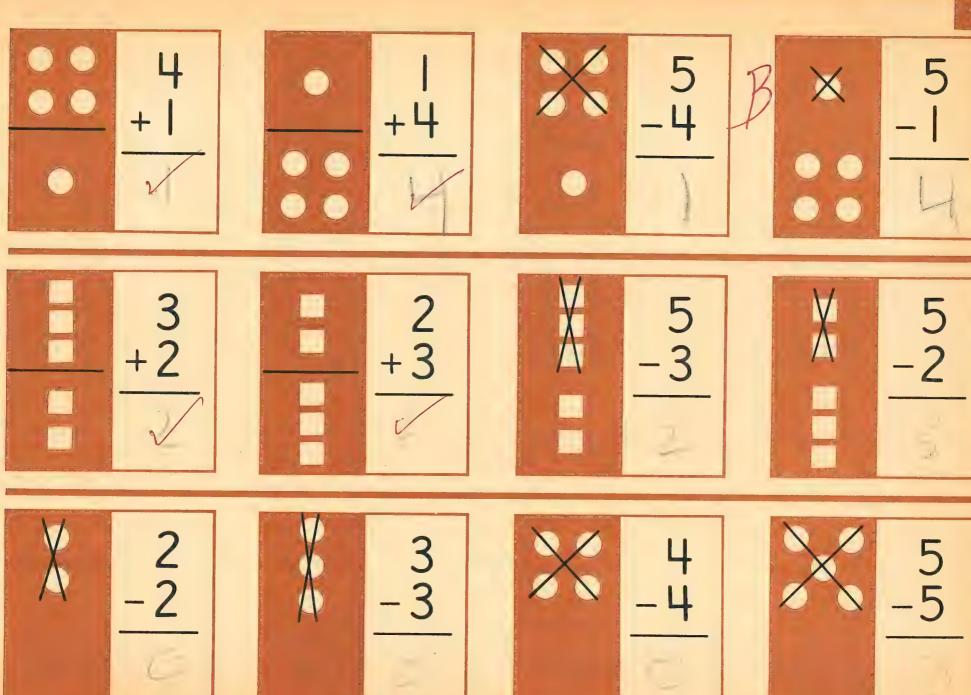
Jack takes _



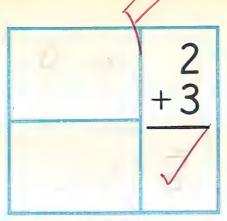
There were 4 3 s in the

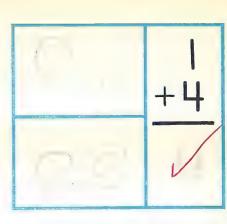
Jim takes La

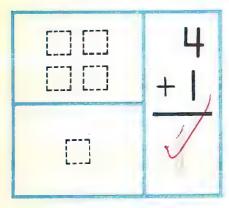
the next row. The last row shows zero as a remainder. Then they write the missing answers. Visualizing groups of related facts. Following the suggested procedure on pages 20 and 21, the children find the answers to the four related groupings in the top row. They do this for

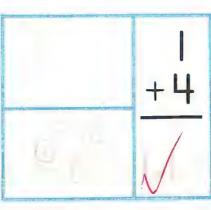


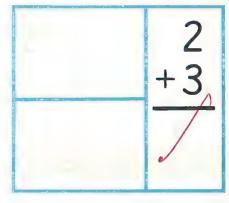
+ 1











$$\frac{3}{+2}$$
 $\frac{1}{+1}$ $\frac{1}{+4}$

$$\frac{2}{+2}$$
 $\frac{1}{+3}$ $\frac{2}{+3}$

$$\frac{4}{+1}$$
 $\frac{3}{+1}$

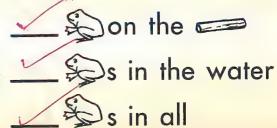
$$\frac{2}{+3}$$
 $\frac{1}{+4}$ $\frac{1}{+2}$ $\frac{1}{2}$



s in the some.







only when they need to. This lesson can be used for oral re sponses in class before the page is given as a written test.

Testing addition number facts through the 5's. Children cover the box giving the facts with the answers and refer to them

How Many Are There in All?

$$\frac{4}{+1}$$

$$\frac{1}{+4}$$

$$\frac{3}{+2}$$

$$\frac{2}{+3}$$

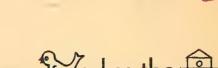


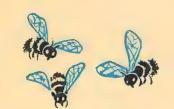
$$\frac{4}{+1}$$
 $\frac{1}{+1}$

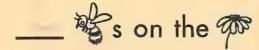
$$\frac{1}{-2} + \frac{3}{1}$$

$$\frac{1}{-4} + \frac{3}{4}$$

$$\frac{1}{+3}$$
 $\frac{1}{+1}$





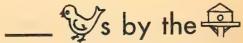




s come.







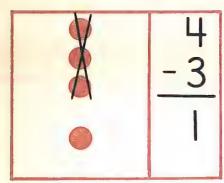




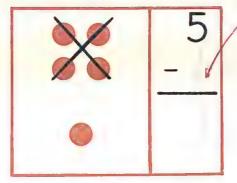


traction begins with the total. Children use the pictures to a cover the missing numbers to write for each example.

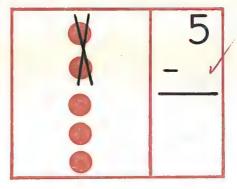
4 in all



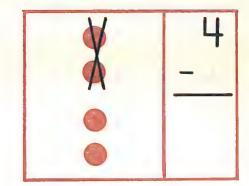
5 in all



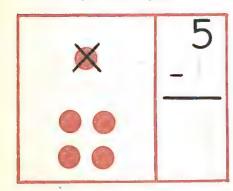
5 in all



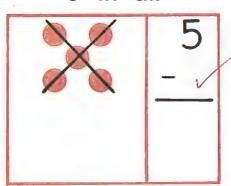
4 in all



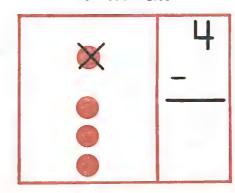
5 in all



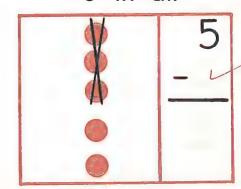
5 in all



4 in all



5 in all





There were 5 \$\mathbb{S}\$ s.

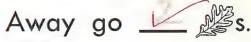
See ____ \$\mathbb{G}\$ go.

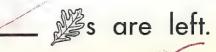
____ \$\mathcal{L}\$ s are left.

$$5 - 1 =$$



There were 5 s.





$$5 - 3 = 1$$

How Many Are Left?



$$\frac{5}{-3}$$
 $\frac{5}{-4}$

$$\frac{4}{2}$$
 $\frac{4}{-1}$

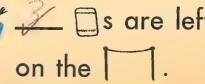
$$\frac{4}{-1}$$
 $\frac{5}{-2}$

$$\frac{4}{-2}$$
 $\frac{3}{-1}$

$$\frac{5}{-2}$$

$$\frac{3}{-2}$$

There were 5 as on the . A pulls off s.



The had 5 \circ s.

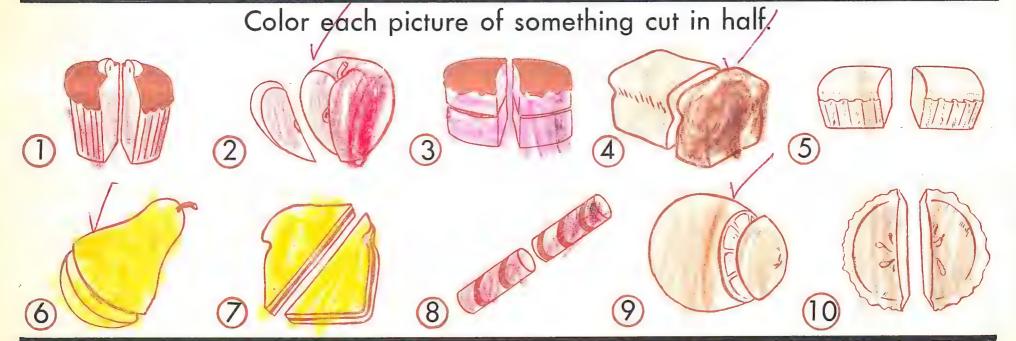
Jane gets 2 9s.



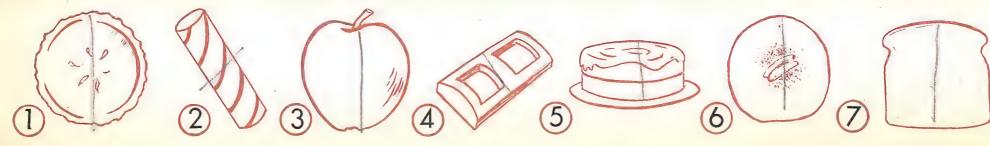




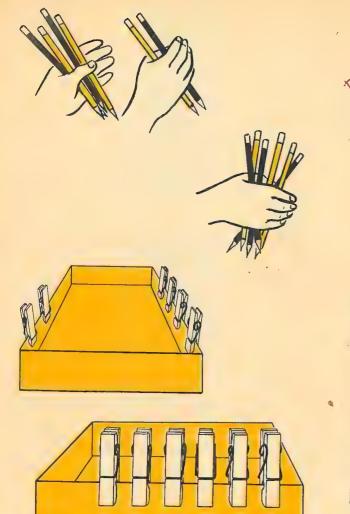




Draw a line to show each cut in half.



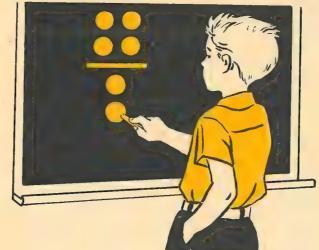
Ways to Show Adding

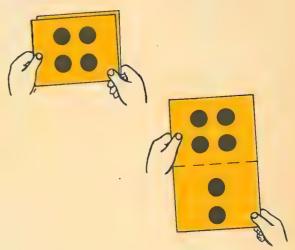










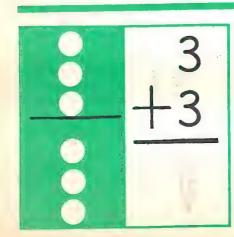


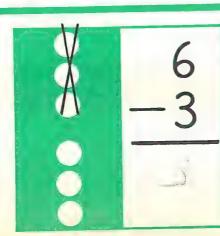
Choose a number story below. Choose one of these ways to show it.

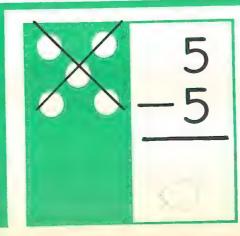
$$\frac{2}{+4}$$

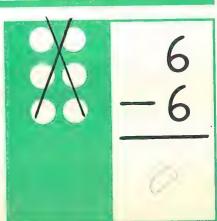
$$\frac{3}{+3}$$

$$\frac{3}{+2}$$

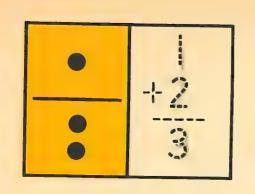


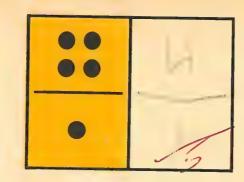


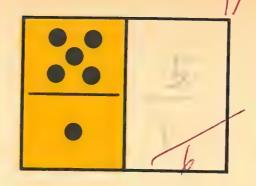


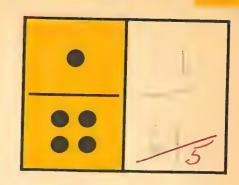


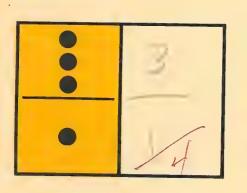
Visualizing groups of related facts. Following the suggested | the four related groupings in the top two rows. The last row procedure on pages 20 and 21, children find the answers to | shows zero as a remainder. Children write the answers.

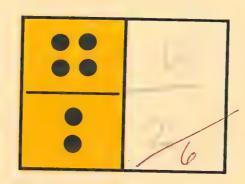


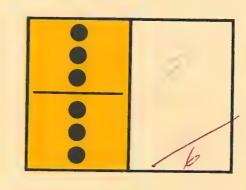


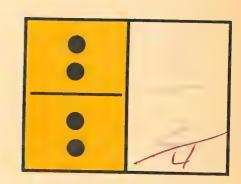


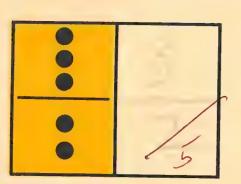


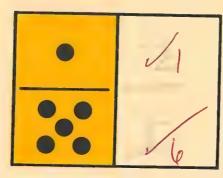


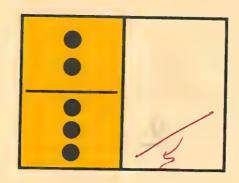


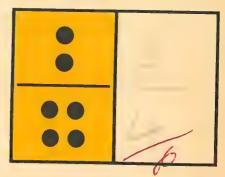












$$\frac{3}{+1}$$
 $\frac{2}{+2}$ $\frac{4}{+2}$

$$\frac{3}{+3} + \frac{1}{2} + \frac{1}{3}$$

$$\frac{5}{+1}$$
 $\frac{3}{+2}$ $\frac{4}{+1}$

$$\frac{1}{+5}$$
 $\frac{2}{+3}$ $\frac{2}{+4}$

How Many Are There in All?

$$\begin{array}{ccc}
 & 1 & 3 \\
 & +5 & +3 \\
 & \end{array}$$

$$\frac{2}{+4}$$

$$\frac{2}{+2}$$

$$\frac{4}{+2}$$

$$\frac{3}{+3}$$

$$+1$$

$$\frac{3}{+2}$$

$$\frac{3}{+3}$$

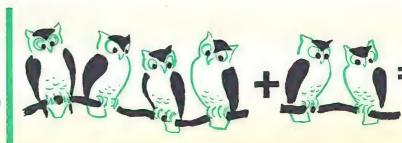
$$\frac{5}{+1}$$

$$+\frac{2}{3}$$

$$\frac{2}{1}$$



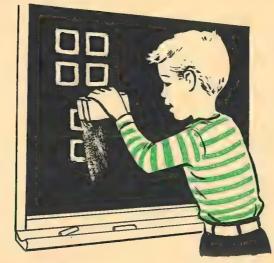


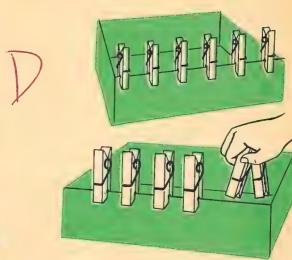


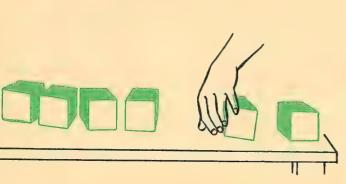
Ways to Show Taking Away

6 in all. Take away 2.

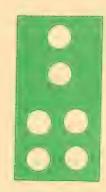


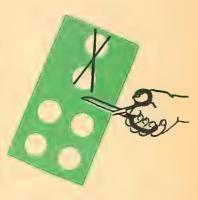










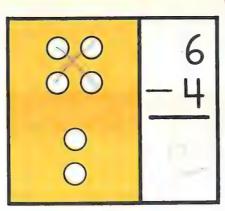


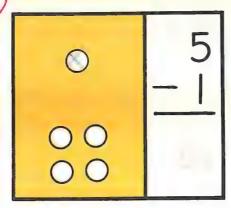
Choose a number story below. Choose one of these ways to show it.

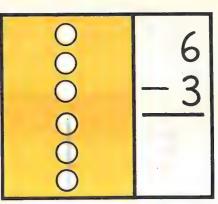
$$\frac{6}{-3}$$

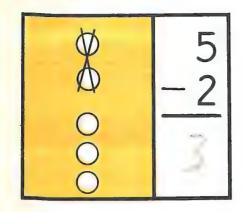
$$\frac{5}{-3}$$

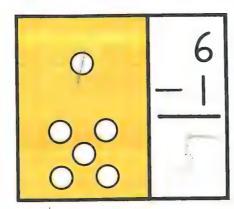
$$\frac{3}{2}$$

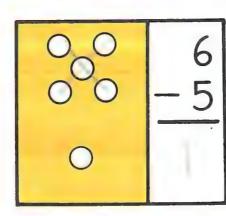


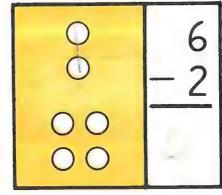










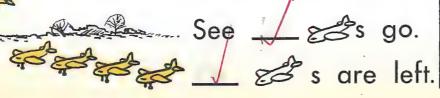


$$-\frac{6}{4}$$
 $-\frac{5}{3}$ $-\frac{6}{2}$

$$\frac{6}{-5}$$
 $\frac{5}{-1}$ $\frac{5}{-5}$

$$\frac{6}{-3}$$
 $\frac{6}{-1}$ $\frac{5}{-2}$

There were 6 s.s.





There were 6 S s. See ___ go. s are left.

and answers and refer to them

How Many Are Left?



I took out ____ s.

s are left in the ...



10 ones make 1 ten. See how ones make numbers grow. ten ones ten ten ones one in all in all in all ten ten ones ones ones in all in all ones ones

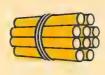
single sticks. The class should have 9 bundles of tens and

Watch Numbers Grow

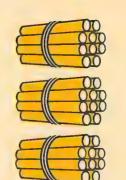
See how tens make numbers grow faster.



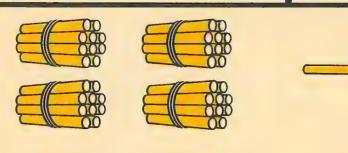
___ ten ___ one ___



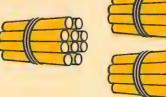
___ tens ___ one



___ tens ___ one ___ in all



___ tens ___ one



___ tens ___ one

in all

___ in all

6 tens 1 one 7 tens 1 one ___ in all

8 tens 1 one ___ in all

9 tens 1 one ___ in all

ver that each time they get to a 20	Iren read the numbers a row at 9,
20, 21, etc. The Teachers Edition suggests many activities.	9, they regroup and begin over again with 1, as 17, 18, 19,

	was a south of the								
	2	3	4	5	6	7	8	9	10
	12	13	14	15	16	17	18	19	20
21					26				30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

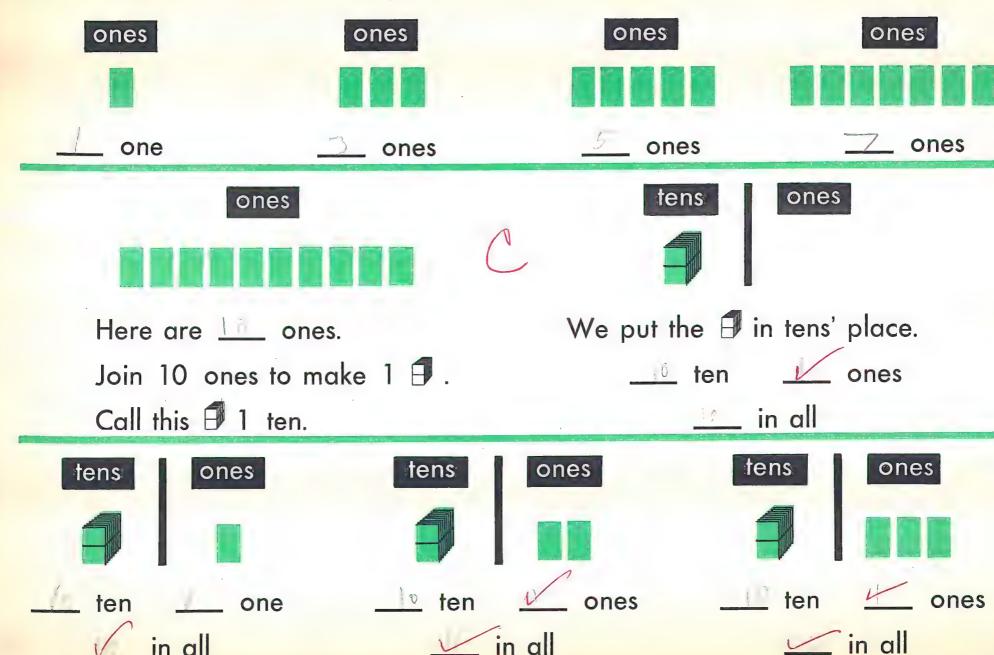


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t are r	
ha	
numbers 1	
large	
writing	
Emphasize	d easily.
to.	rea

to. Emphasize writing large	read easily.
Writing numbers from 1 to 100. Children write the missing	numbers. They refer to page 42 for help only when they need

						9			
0 0 0)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			7			
8 8 8 8 0 0	1-	VE I	. Z;	· ~ ·	l lõ				
	22	l	2.2/	25	2	27	·)		1 1
3	3 -	-/	5'4-	76	-1	7	- /		
, + 1	V(! i - -	, ,					50
, ,		=: ;) :			5 2	7		17	- ,
1, 1, 1	W -			(·		8		70
	· / · .	1.	ec	ł					AL
	2		· U *	, ,		**	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	. /	90
í	. 2	. / .		,			- 3	- (.	100

A New Way to Show How Numbers Grow



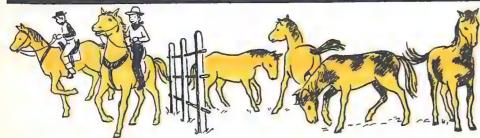


eats.

s come.



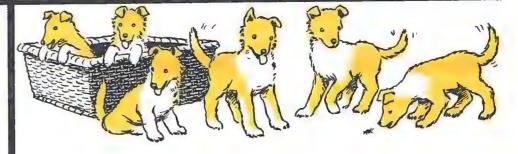
boys with some.
boys in all



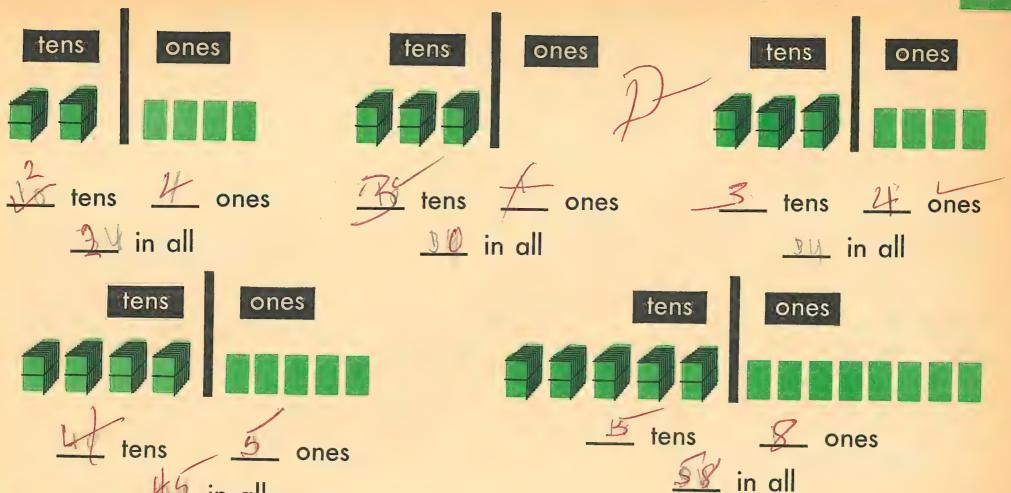
6 horses in all

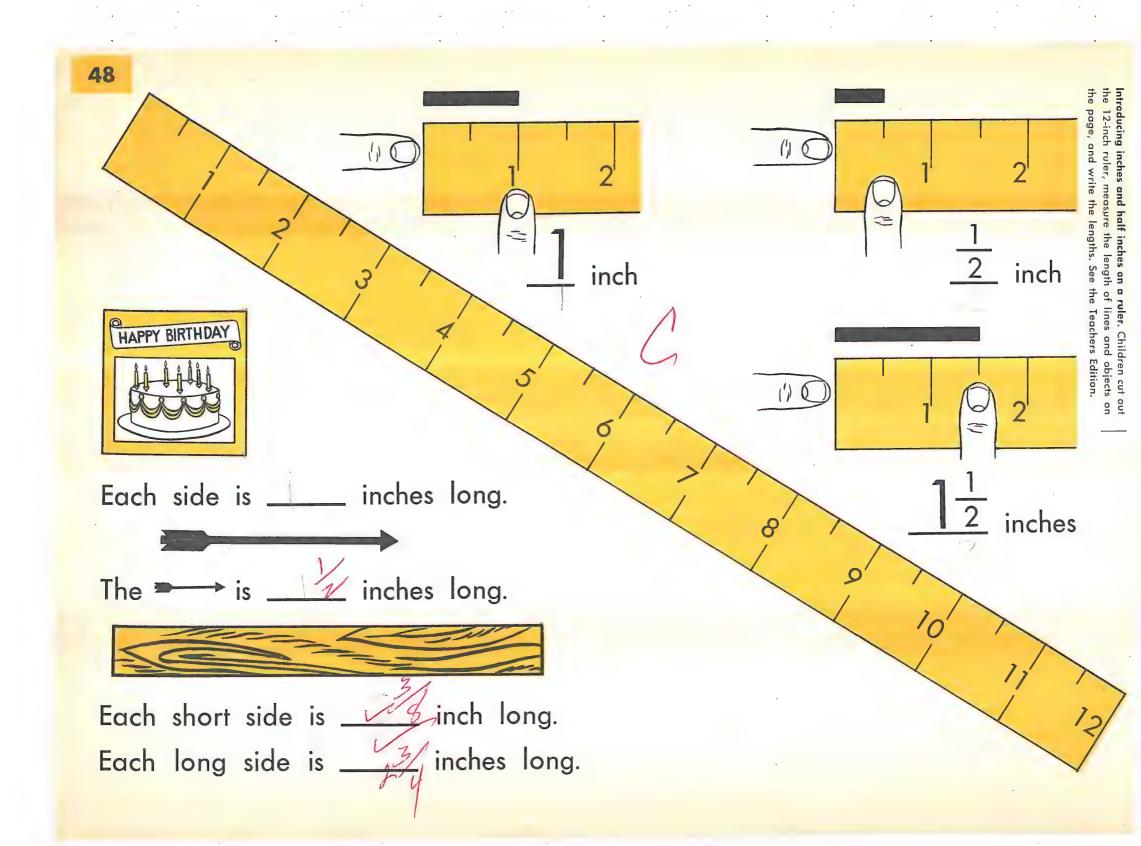
horses go.

___ horses are left.



$$\frac{3}{+2}$$
 $\frac{1}{+5}$ $\frac{3}{+3}$ $\frac{2}{+4}$ $\frac{4}{+2}$ $\frac{2}{+3}$





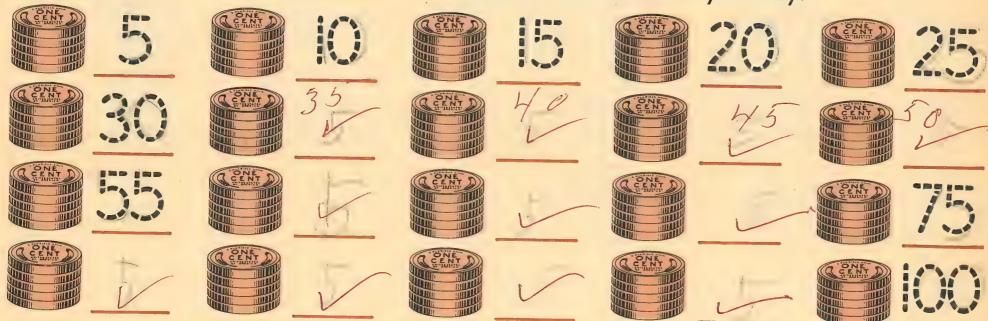
The children sold apples.

Help them count their money.

How many pennies are in each ? ____

Point to each as you count by 5's.

Write the numbers you say.



How many pennies have they in all? 100 Write by 5's to 100. Begin with the number 5.

 5
 10
 5
 20
 2
 3
 3
 40
 45
 50

 55
 5
 7
 5
 5
 7
 5
 7
 7
 50

n write lesson: page 49 teaches quantity; page 50, value.

each pile as they count the pennies orally. They then













1 nickel 5 cents

Count by 5's. Find out how many cents in all.



























































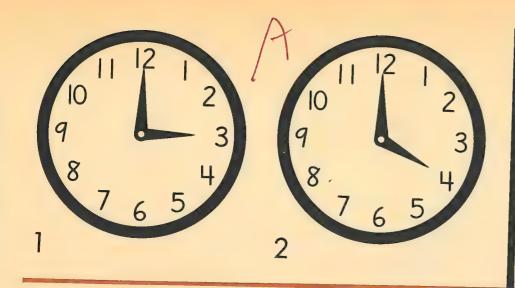
On the lines write the numbers you say. Begin with 5.

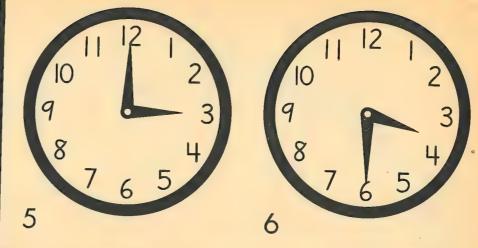


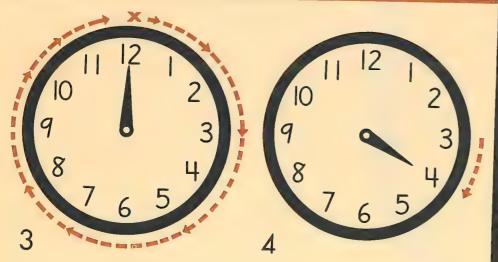
Find out how many cents. Count by 5's to find out.

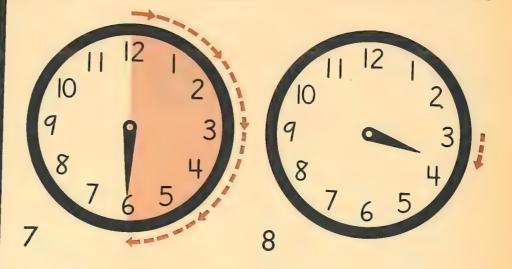
2 nickels = 15 cents | 3 nickels = 15 cents | 5 nickels = 15 cents | 7 nickels = 35 cents | 8 nickels = 15 cents | 10 nickels = 50 cents | 10 nickels = 15 cents | 10 nickels

10 nickels =
$$\frac{50}{2}$$
 cents









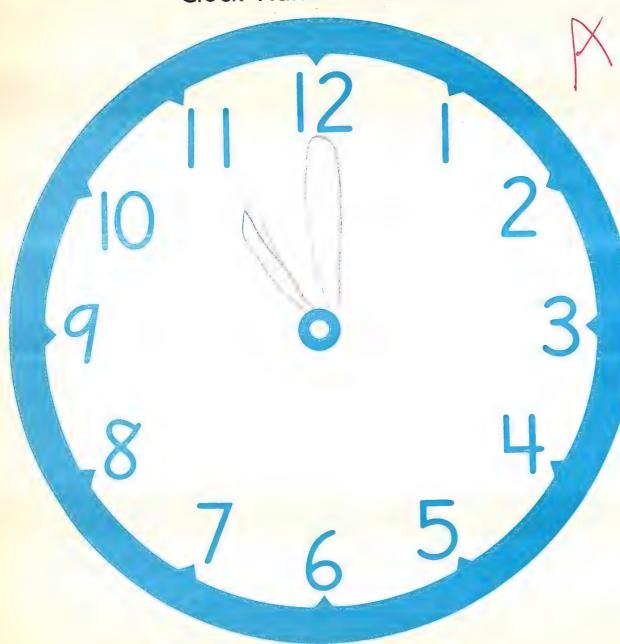
In one hour the long hand went all the way around the clock.

The short hand went from one number to the next number.

In one half hour the long hand went half way around the clock.

The short hand went half way between 3 and 4.

Clock Hands Show Time



Use sticks for clock hands.

Lay them on the clock

to show:

five o'clock
ten o'clock
one o'clock
nine o'clock
twelve o'clock

half past two
half past four
half past nine
half past six
half past eleven
half past twelve

Morning. I get up. O'clock	The bell rings. Out to play. o'clock
Breakfast time. I eat a good breakfast. o'clock	Time to sing. I like to sing. Half past
Time to go to school. Off to school I go! Half past	Time for numbers. I like numbers. o'clock
The bell rings. School begins. o'clock	Time for a story. I like stories. Half past
Time to read. I like to read. Half past	Noon time. Time to eat. o'clock

The bell rings. School begins again. o'clock





TV time. I like TV time.



Time to read again. I like to read.



Father comes home. I run to meet Father.

Half past _____



Half past.



Dinner time. I eat a good dinner.



Half past ___

Time to draw.

I like to draw.



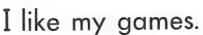
___ o'clock

o'clock

School is over. Off for home.

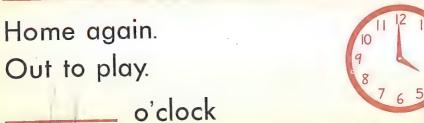


I play with my games.



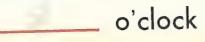


Half past ___ Half past ____





Good night. Off to bed.





Write the numbers that belong in the empty boxes. Then say them.

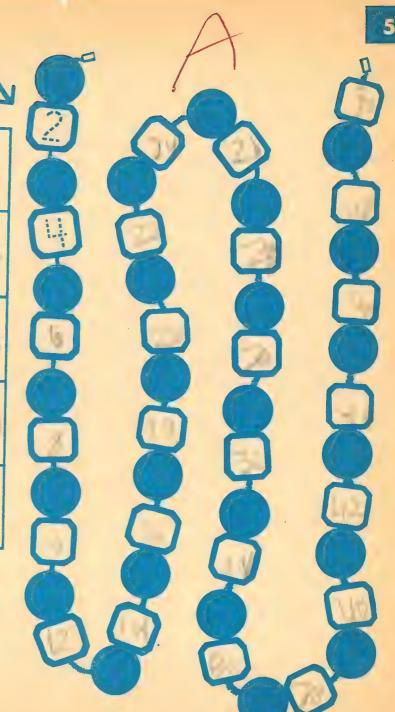
1	2	3	1,000	5	1,	7	8	9	
11		13		15	ð.	17		19	20
21	73	23		25	40	27		29	y à
31	12	33	ŧΝ	35		37	- 1	39	(3)
41		43	4-11	45	L	47	118	49	

Count Jane's beads one at a time.

How many beads in all? 50

Count Jane's beads two at a time.

On each bead write the number you say.

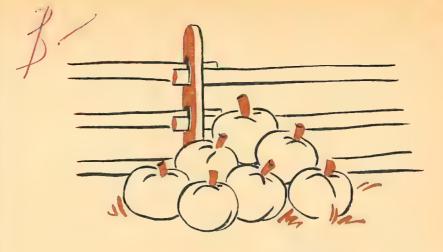


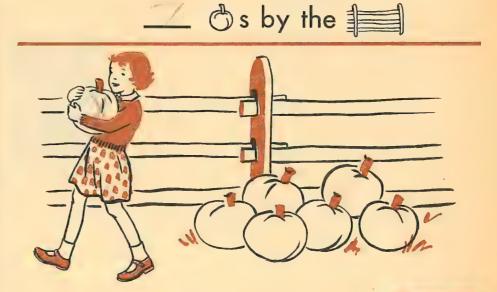
What comes between? Before Before After



The \$\overline{\

∠ ♂s in all





Sue takes of for a ...

Put X on the Sue takes.

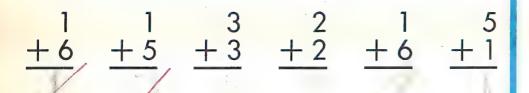
s are left.

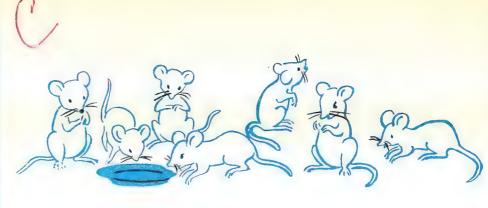
eats the 🗈 .

____ mice come running.

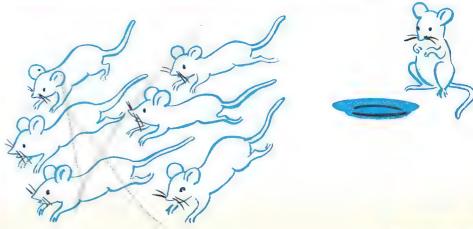
Circle all the mice.







___ mice in all



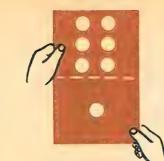
mice run away.

Put X on the mice that go.

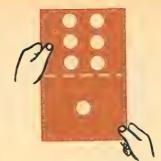
____ is left.



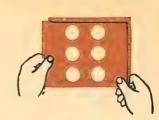
You see _____.



Open and see +1



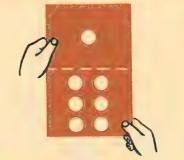
You see <u>7</u> in all.



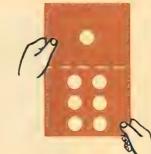
Close to show $\frac{-1}{6}$



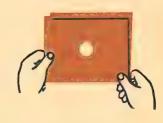
You see



Open and see +6.



You see <u>7</u> in all.



Close to show -6.



girls are together.

___ girls come.

Circle all the girls.

____ girls in all







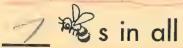
girls go away.

Put X on the girls that go.

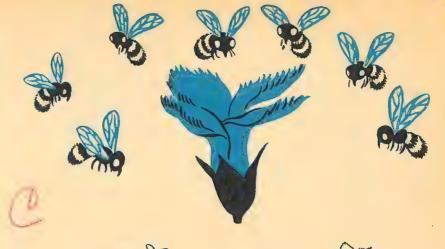
girls are left.

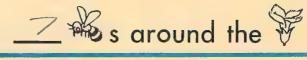


s on the s come. Circle all the s.





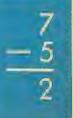




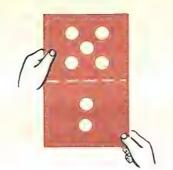


s fly away. Put X on the s that go.

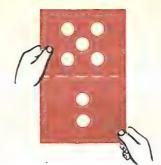
s are left.



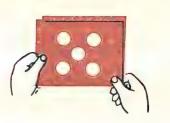
You see ____



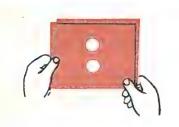
Open and see ± 2 .



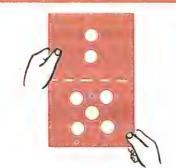
You see <u>7</u> in all.



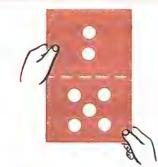
Close to show $\frac{7}{2}$.



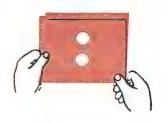
You see ____.



Open and see +5.



You see <u>7</u> in all.

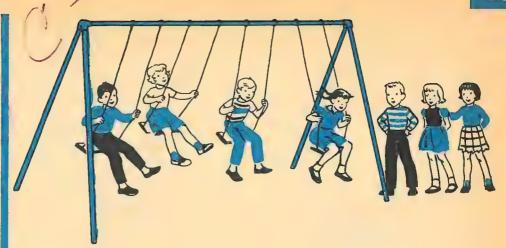


Close to show -5.

Circle all the children.

children in all





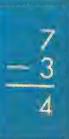
___ children are here.



children go away.

Put X on the children who go.

children are left.



re at the left; drama- 7 -

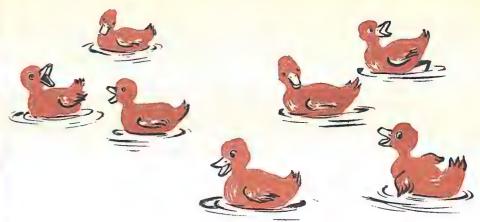
about the number story in the picture at the left; d

3 % s in the

<u></u> ₺ s come.

Circle all the 🔓 s.

s in all



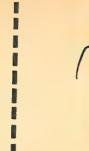
ⓑ s in the ←



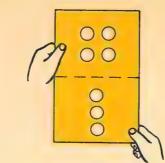
Put X on the 😉 s that go.

∠ 5 s are left in the 🥯.

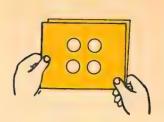
You see ⋈__.



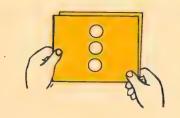
Open and see ± 3



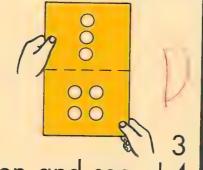
You see 7 in all.



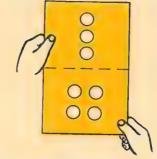
Close to show $\frac{-3}{-3}$.



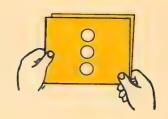
You see 3.



Open and see +4



You see 7 in all.

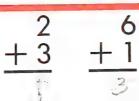


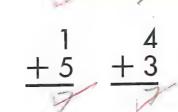
Close to show $\frac{-4}{3}$.



$$\frac{3}{+4} + \frac{4}{3} + \frac{2}{7}$$





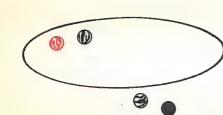


+1

$$\frac{3}{+4}$$

$$\frac{1}{+2}$$

$$\frac{3}{+2}$$



In the

Out of the <

In all

9









facts through the 7's. Children cover is and answers and refer to them only

Barbara

How Many More?



What name did Barbara write?

How many letters are in her name?



What name did Jack write?

How many letters are

in his name?

See how Jack covers

the first 4 letters in Barbara's name.

How many more letters

are in Barbara's name? 7-4=





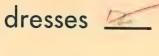


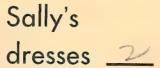


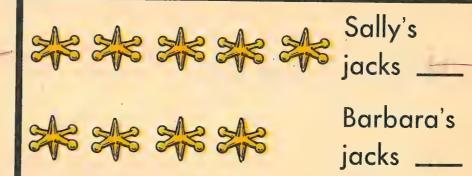




Barbara's





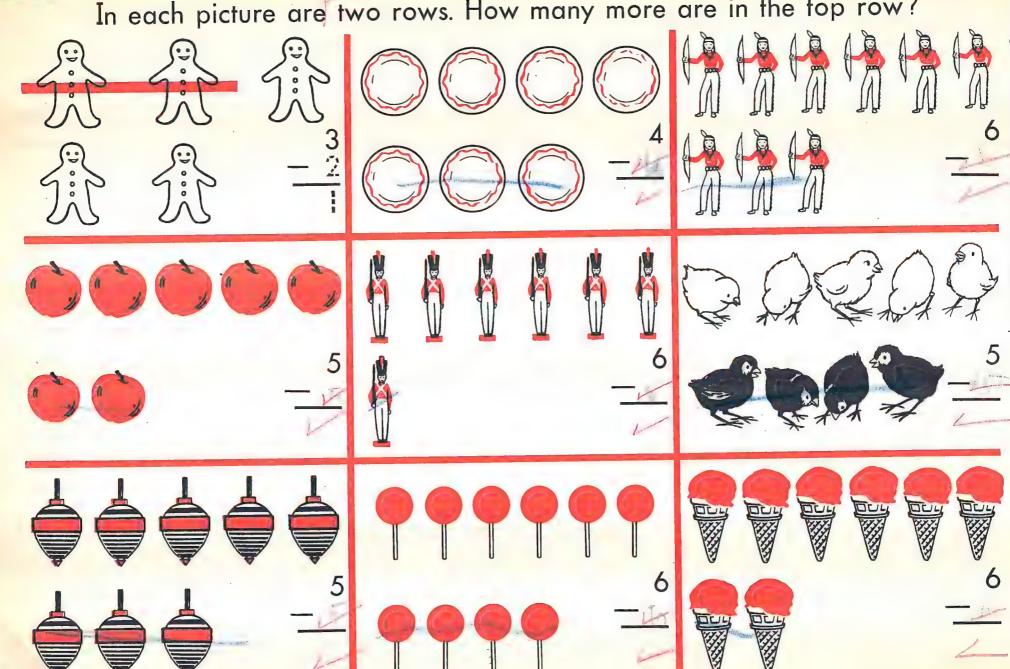




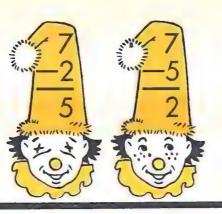


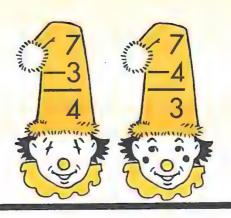
jacks ____

How many more dresses has Barbara? ____ How many more jacks has Sally? 🚣



ers.	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
nombe		.)		14	F		
fill in the missing numbers.						13	T LV
fill in the		TA					
e present month, and discuss their			1				
e prese							
ion the children will copy th umbers in their correct places,	 second v third we Monday Fridays 	ek					
teach	5. Saturday	/s					







$$\frac{7}{-1}$$
 $\frac{7}{-6}$ $\frac{5}{-3}$

$$\begin{array}{c|c}
7 & 2 \\
-1 & -1
\end{array}$$

$$\frac{7}{-6}$$

$$\frac{3}{2} =$$

$$\frac{5}{-5}$$
 =

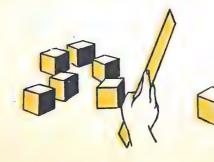
$$\frac{7}{-2} - \frac{7}{-5}$$

$$\frac{6}{-4}$$
 $\frac{7}{2}$

$$\begin{array}{c|c}
5 & 7 \\
-1 & 5
\end{array}$$

$$\frac{2}{2}$$
 =

$$\begin{array}{c} 7 & 6 \\ -5 & -6 \end{array}$$



- -----
- ♥s in all
- ____
- 🕽 s I take.
- ____ Dis left.





- balls in all
- balls I take.
- balls are left.



Ann had ___ paper ______s.

Ann made ___ ____ more.

Circle all the paper ______s.

Ann has 8 s in all.



SA SABABABABABABA

Ann has ___ paper _____s.

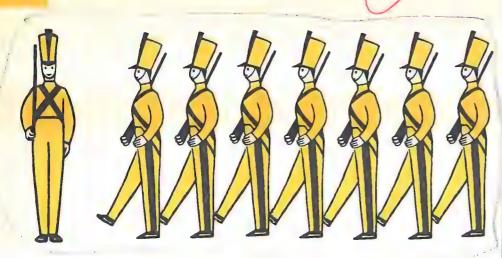


Ann takes away _____ \$\frac{1}{2} \lambda\$.

Put X on the \$\frac{1}{2} \text{ Ann takes.}

\$\frac{1}{2} \lambda\$s are left.



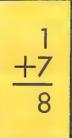


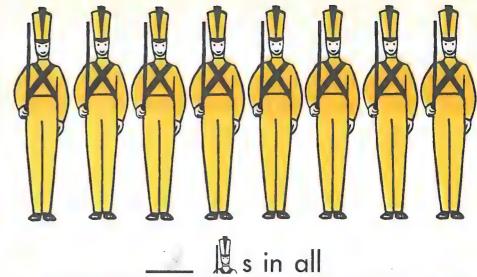
____ stands alone.

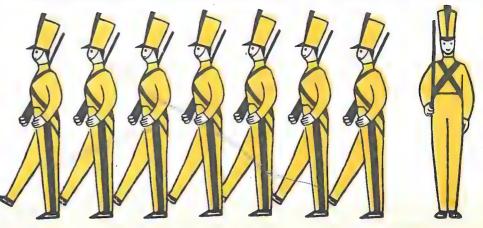
s come.

Circle all the B s.

s in all





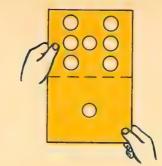


____ s march away.

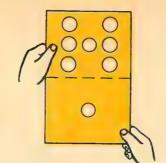
Put X on the s that go.
____ is left.



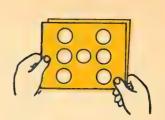
You see _____.



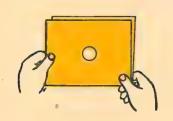
Open and see ± 1 .



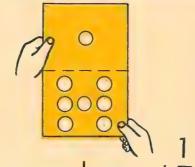
You see <u>\$</u> in all.



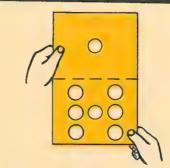
Close to show $\frac{8}{-1}$.



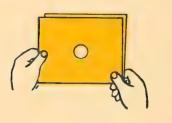
You see ____.



Open and see +7.



You see 8 in all.



Close to show $\frac{8}{-7}$.

	May								
S	M	T	W	Th	F	S			
D	2	3	4	5	6				
8	9	10	11	12	13	14			
15	16	17		19		21			
22	23	24	25	26	27	28			
29	30	31							



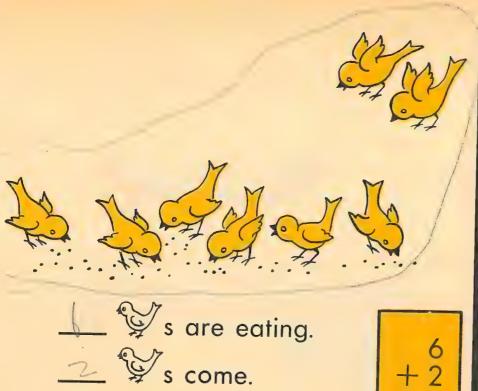
The Days of the Week

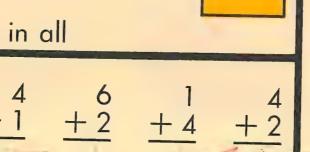
- 1. Days in 1 week ____ in 2 weeks ____
- 2. Days in 3 weeks ____ in 4 weeks ____
- 3. Days in May

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

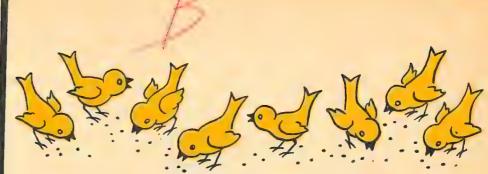
- 4. What day is today?
- 5. What day will tomorrow be?
- 6. What day was yesterday?
- 7. One week has <u>school</u> days.
- 8. Draw a line under each school day.
- 9. Write the names of the school days.

10. Write the days you do not go to school.

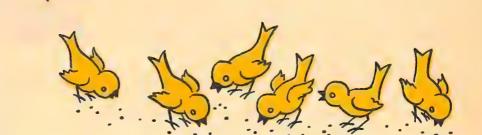




Circle all the s.







s fly away.

Put X on the s that go.

s are left.







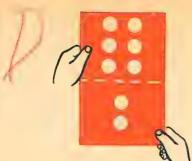
Mother lit ____ s on the



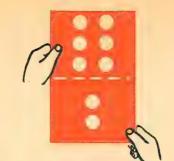
Bob blows out _____ s.

Put X on the s he blows out.

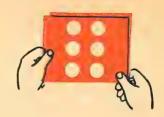
____ s are left to blow out.



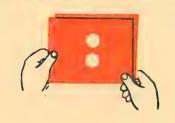
Open and see +2



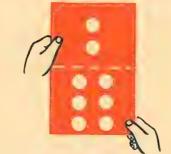
You see 8 in all.



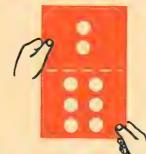
Close to show $\frac{8}{-2}$.



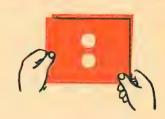
You see ____.



Open and see +6.



You see 👸 in all.



Close to show -6.

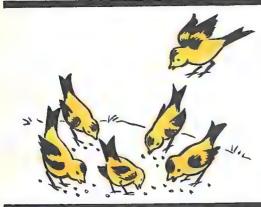


8 flowers were in Jane's garden.

How many flowers did Jane pick? _____ How many flowers are left? _____ 8 flowers

— flowers

flowers



I saw ___ birds on the ground.

Another bird came down to eat seeds.

Then how many birds were there in all?

5 birds
+ birds
birds



6 pictures were on the table.

How many pictures did Sally take? ____

How many pictures are left?

6 pictures

pictures

pictures



s in a row

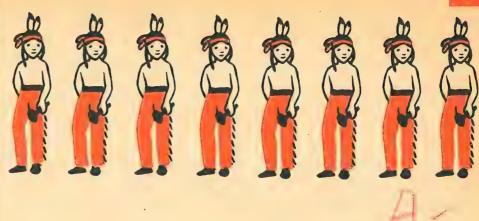
3 more s come.

Circle all the is.

S in all







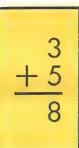


______s in all



____ children are reading.

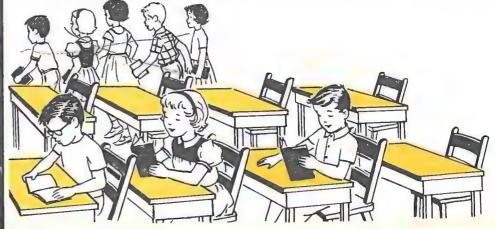
_____ children come to read. Circle all the children.



_____ children in all

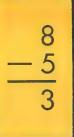


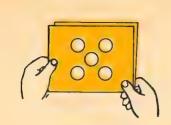
_S children in all are reading.



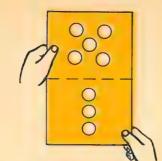
Put X on the children who go.

3 children are left.

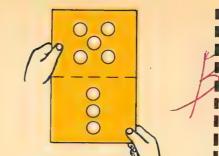




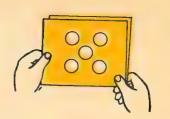
You see .



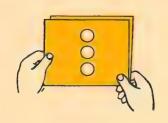
Open and see +3

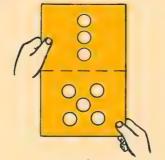


You see 8 in all.

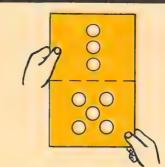


Close to show -3.

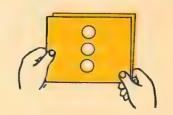




You see . Open and see +5.



You see 8 in all.



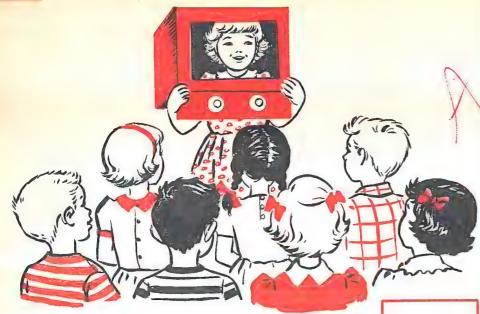
Close to show -5.

+6

$$\frac{8}{3} = \frac{3}{3}$$

$$\frac{-5}{b}$$

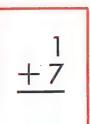
$$\begin{array}{ccc}
8 & 7 \\
5 & -3
\end{array}$$

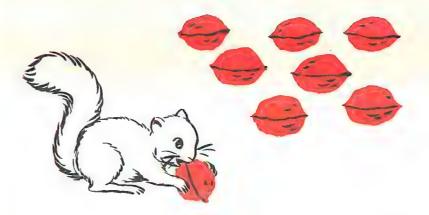


____ child gives a TV show.

____ children see the show.

___ children in all

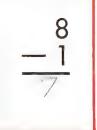




8 😂 s for a 🖭

The takes _____ .

/ s are left.







Jack took <u>apples</u>.

How many apples are left? _



boys play with a .

____ more boys come.

Circle all the boys.

boys in all



 \geq boys play with a \otimes .

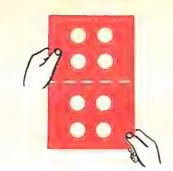


boys go away.

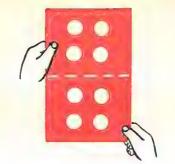
Put X on the boys who go.

boys are left to play.

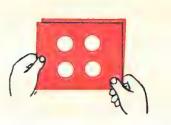
You see / .



Open and see +4

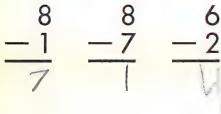


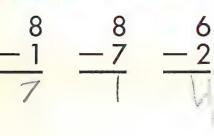
You see 8 in all.



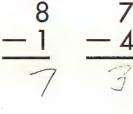
Close to show —



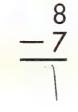




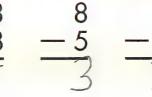














$$\frac{8}{-3} - \frac{7}{6}$$

$$\frac{-2}{\sqrt{6}} \quad \frac{8}{\sqrt{2}}$$

$$\frac{7}{-6}$$

$$\frac{8}{2}$$

$$\frac{7}{-3}$$







$$\frac{4}{+2} + \frac{3}{+4}$$

$$\frac{3}{+5}$$



Jane cut these.



Sally cut these.

Jane's dolls 5

Sally's dolls 2

Dolls in all _8



8 ⊙ s were on a ○.

Bob took <u>s.</u> os.

_b os are left.





The man wants to paint 6 posts.

He has painted ____ posts.

He needs to paint $\frac{3}{2}$ more posts.

Ann wants to paint 7 dolls.

She has painted ____ dolls.

She needs to paint ____ more dolls.



I want to fill 8 cones in all.

I have filled b cones.

I need to fill __ more cones.



We want 8 chairs for these boys.

We have 5 chairs.

We need <u>a</u> more chairs.

3 tens and 6 ones =
$$\frac{36}{100}$$

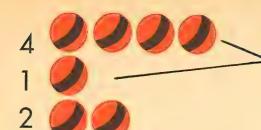
5 tens and 0 ones = 21

7 tens and 5 ones = $\frac{26}{100}$

$$64 = 76$$
 tens and 76 ones

$$80 = \frac{40}{100}$$
 tens and $\frac{40}{100}$ ones

$$93 = 2$$
 tens and 3 ones



Then think
$$\frac{5}{+2}$$
. Write 7.

Think
$$+\frac{3}{2}$$
. Write 5.

Finding Scores



Each boy throws three bags.

Jack scored 3, 1, and 2.

This is how to find Jack's score.

Think
$$\frac{3}{+1}$$
. Then think $\frac{4}{+2}$.

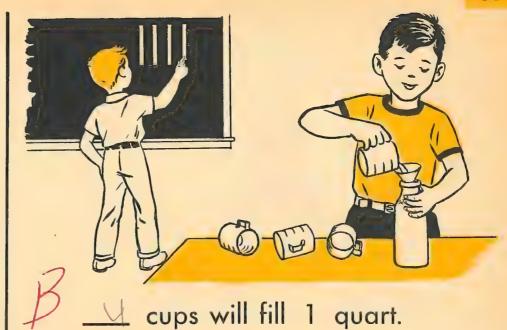
What is Jack's score? _____ A miss is 0. The 0 shows not any points. Circle the high score in each game.

Jack 3 1 2	Tom 2 1 2 2	Jack 3 0 0	Tom 1 3 0	Jack 2 0 2	Tom 3 0 2	Jack 1 2 2	Tom 3 0 3
Jack 1 1 3	Tom 2 0 3	Jack 3 1 2	Tom 0 2 3	Jack 0 0 3	Tom 1 1 1	Jack 2 2 1	Tom 2 2 2 2

ONE



- 1 quart will fill 4 cups.
- 2 quarts will fill & cups.





- 1 quart will fill ____ pints.
- 2 pints will fill __ quart.

Circle which is more:

cups will fill 2 quarts.

а	pint	or a	quart
3	pints	or a	quart
2	pints [\]	or 2	quarts
4	cups	or a	pint



Sally had 1 full pint .

She had 2 empty s.

She filled the 2 s from the .

Then the was empty.

Sally showed = .



Sally had 2 full s.

She had 1 empty .

She filled the from the 2 s.

Then the 2 s were empty.

Sally showed = .

Draw a line to the answer.

2 cups 1 quart
2 pints 2 quarts
8 cups 1 pint

7 days 1 foot 4 cups week 12 inches 1 quart

foot 2 cups
pint 12 inches
quarts 4 pints



Each gets the same.

Each gets S.











Each gets the same.

Each gets ** s.















Each gets the same.

Each gets s.



Each gets the same.

Each gets 3 s.



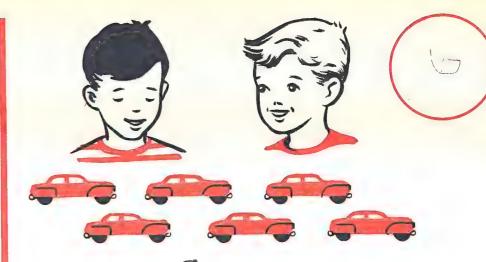


Each gets the same.

Each gets ___ s.



Each gets the same.



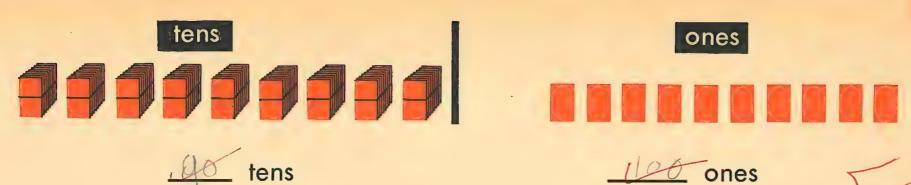
Each gets the same.

Each gets ______ s.

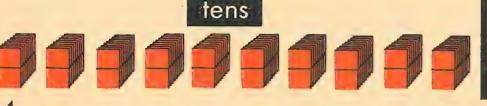


Each gets the same.

Each gets _____ / s.



Put the 10 ones together to make another ten. Put the new ten with the other tens.



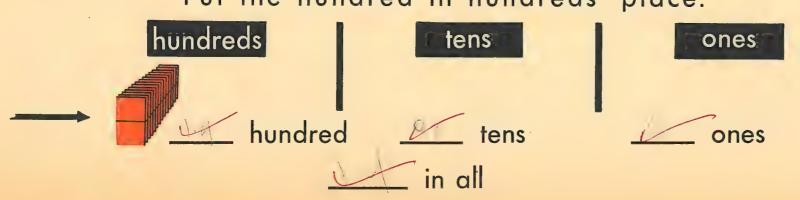
ones

Now there are tens and ones.

Put the 10 tens together to make .

Call this 1 hundred.

Put the hundred in hundreds' place.



_					X					
	101	102		i'W			1-7	VVV		110
	111	112		111	5	\	417		119	120
	121	1		7× V		125	127			
				3		- 11			\	140
	\		, , ,		V		1	S		/)
				1	155				150	
	161			/ \	5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	167	10-2		170
		172	173	174	175		ļ	1/1		1.8
				5 11	<i>(</i>)	/ \	187	≥ 3		The second secon
	191	and the state of t			}	i .		-18	1-19	200

1 hundreds' bundle, 2 tens' bundles, and 10 single tickets the meaning of children can show each number from 101 to 130 as they

meaning of three-place numbers.

Which number is the most in each row?
103 100 (130)

200 120 102

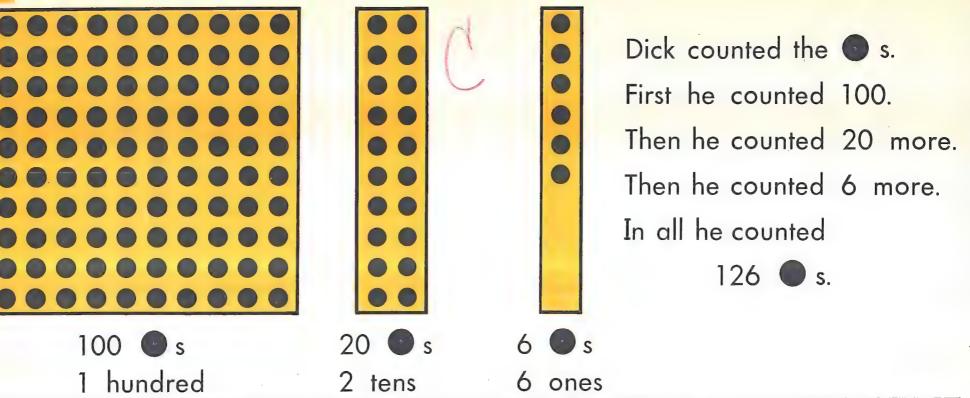
120 (142) 124

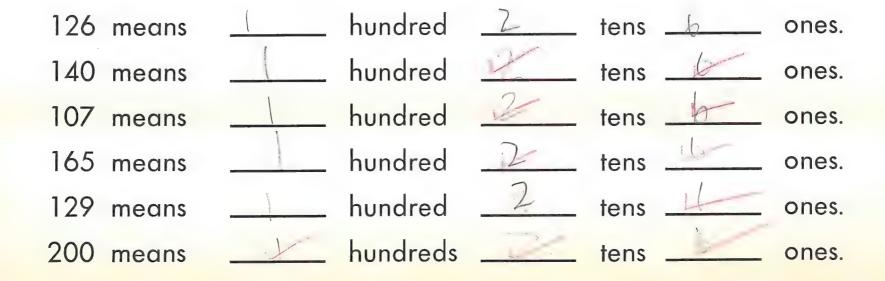
153 (103) 135

110 (120) 130

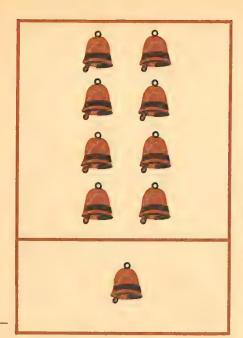
150 200 105

163 136 143

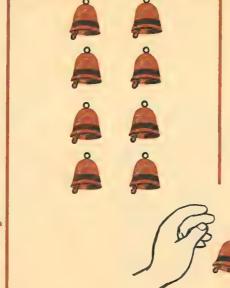




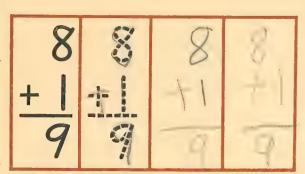
A Way to Group 9 Ss







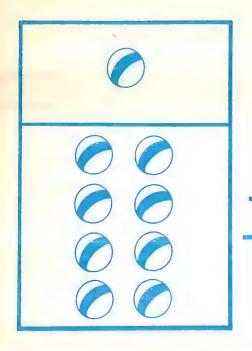


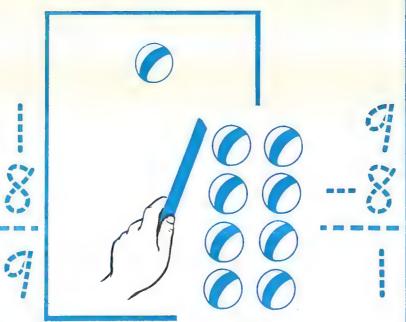


Visualizing related tacts 1 + 8 = 9 and 9 - 8 = 1. Children stalk about the number story in the grouped picture at the left; for dramatize the story with objects; make a disk picture of the

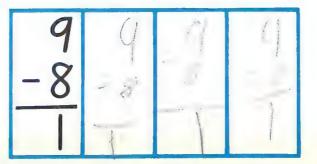
story; then fill in the missing numbers. Follow a sin for 9-8=1.

A Way to Group 9 Os









1 ball
+ 8 balls
balls

- 9 is 1 and <u>10</u>.
- 9 is <u>I</u> and 8.

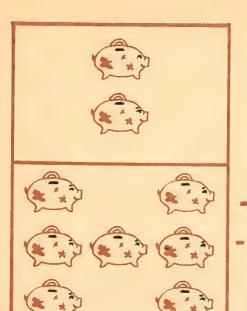
$$1 + 8 = 4$$

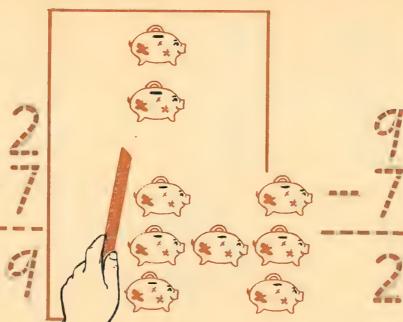
9 balls

story; then till in the missing numbers. Follow a similar plan for 9-7 = 2.

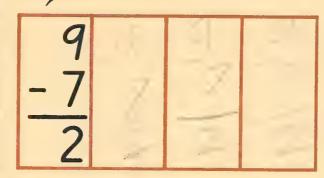
talk about the number story in the grouped picture at the left; for dramatize the story with objects; make a disk picture of the

A Way to Group 9 🚓 s









- 2 banks
 7 banks
 banks
- 9 is 2 and 1.9 is 2 and 7.
- 2 + 7 = 4

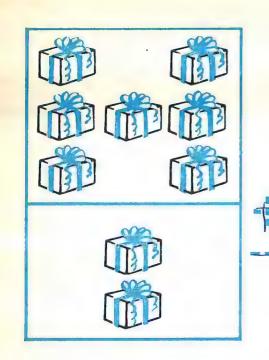
- 9 banks
- <u>7</u> banks

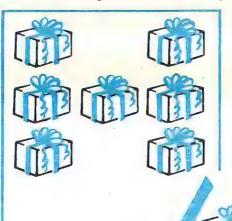
banks

$$\frac{2}{+7}$$
 $\frac{5}{+1}$ $\frac{6}{+2}$ $\frac{2}{+7}$

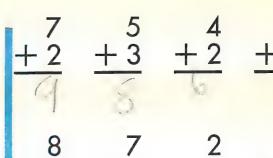
$$\frac{9}{-7}$$
 $\frac{6}{-1}$ $\frac{8}{-2}$ $\frac{9}{-7}$

A Way to Group 9









$$\frac{9}{-7} \quad \frac{9}{-2} \quad \frac{6}{-4} \quad \frac{9}{-2}$$

$$7 + 2 = 0$$

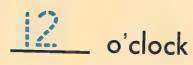
Write half past 9 like this: 9:30.
9:30 means 30 minutes past 9 o'clock.







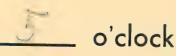
clock 8 7 6 5





o'clock

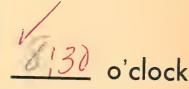






o'clock





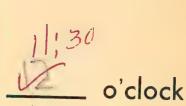


o'clock

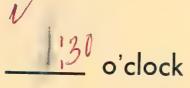


o'clock

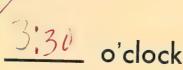




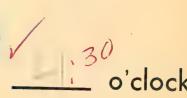




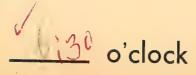




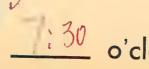














o'clock





How many pounds?

How many pounds?

How many pounds?



How many pounds does the boy weigh? ___ do they both weigh? ___ does the dog weigh?

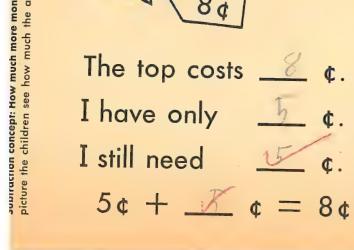


How many pounds



How many pounds



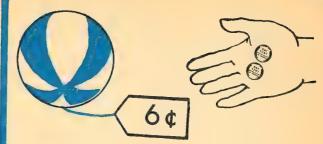




I have only 3 c.I still need 2 ¢. 3c + 2c = 5c



The bell costs 8 ¢. I have only ____ ¢. I still need ___ ¢.



The ball costs ___ ¢.

I have only 2¢.

I still need 45 ¢.

$$2¢ + 2 ¢ = 6¢$$

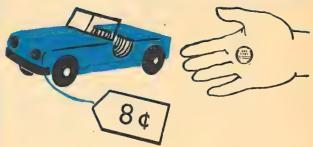


The boat costs ____ ¢.

I have only _____ ¢.

I still need

6c + 1 c = 7c



The car costs ______ .

I have only _____ ¢.

I still need _____ ¢.

1c + 4 = 8c







A penny
1 cent
1¢

A nickel 5 cents 5¢

A dime
10 cents
10¢



A penny = one cent.



A nickel = five pennies or five cents.



A dime = ten pennies or ten cents.



A dime = two nickels.

What one piece of money is the same as five cents?
 What one piece of money is the same as ten cents?

3. What one piece of money is the same as two nickels?

4. A penny is how many cents?

5. A nickel is how many cents?

6. A dime is how many cents?

7. Two nickels are how many cents?

8. Which is more:

a penny or a nickel?

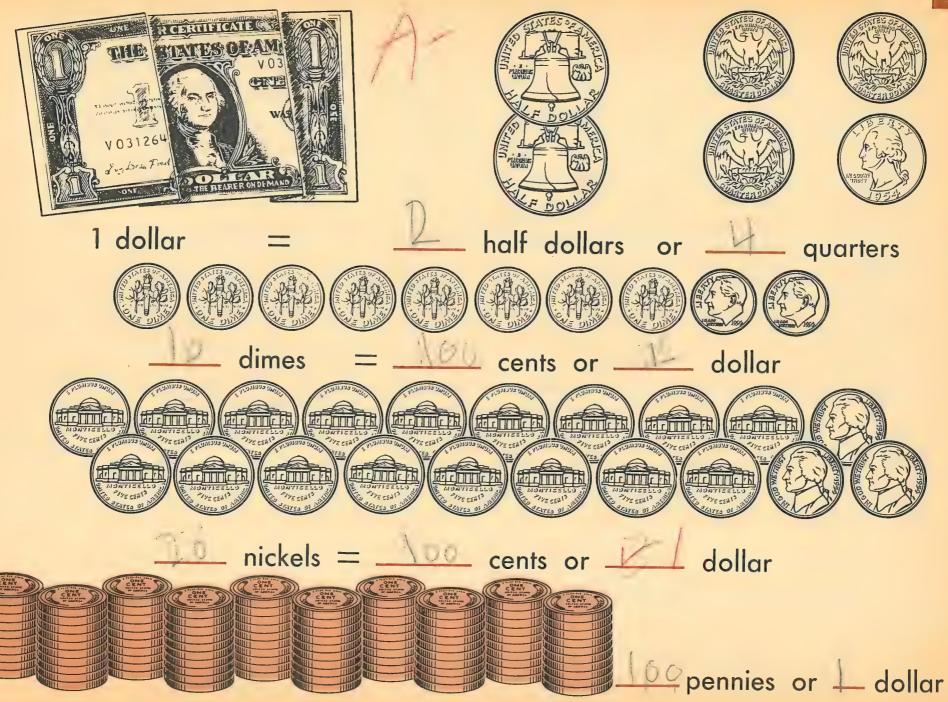
a dime or five pennies?

teviewing coins presented in 11st grade and coin equivalents. f possible, provide real coins: 10 pennies, 2 nickels, 1 dime.

As children read the questions, a child will answer by showing

ne actual coins. Later

Later at their seats the children will writ



106		
1 nickel	5	pennies
1 dime	100	nickels pennies
1 quarter		nickels pennies
1 half dollar	V 2 V 3 V 10	quarters dimes nickels pennies



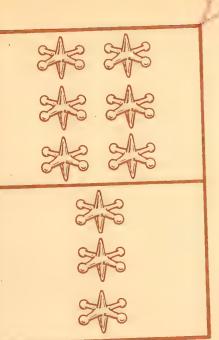
1 dollar is as much money as:

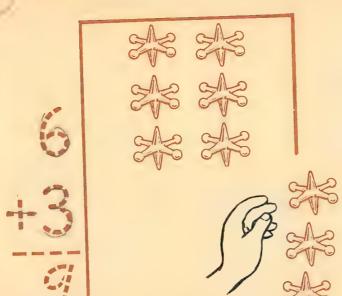
how many half dollars? how many quarters? how many dimes? how many nickels? how many pennies?

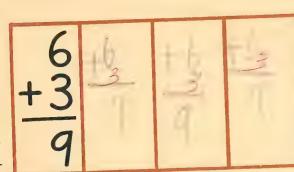
5 cents

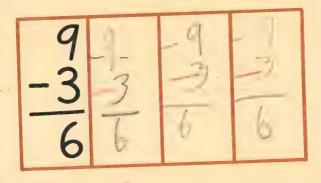












AR S

$$6 + 3 = 4$$

$$\frac{3}{\sqrt{3}}$$

$$\frac{4}{+3}$$
 $\frac{6}{+3}$ $\frac{1}{+7}$ $\frac{6}{+3}$

$$\frac{9}{-3} = \frac{8}{-1} = \frac{6}{-4} = \frac{9}{-3}$$

$$\frac{7}{-3} = \frac{9}{6} = \frac{8}{-7} = \frac{9}{6}$$

Visualizing related facts 6 + 3 = 9 and 9 - 5 - 0. Currently talk about the number story in the grouped picture at the left; talk about the story with objects; make a disk picture of the

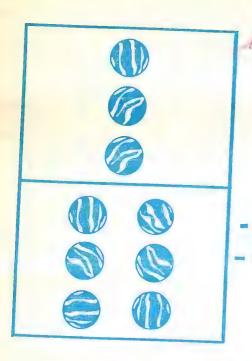
-3=6.

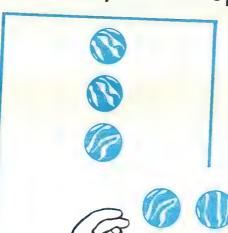
for 9

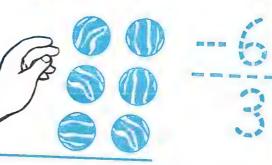
dramatize the story with objects; make a disk picture of the left;

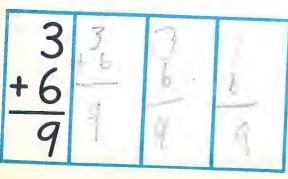
story; then fill in the missing numbers. Follofor 9-6=3.

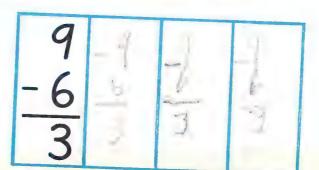
A Way to Group 9 s











- 3 🕲 s
- +6 🖨 s
 - Ø s

- 9 is 3 and ____.
- 9 is $\frac{3}{2}$ and 6.
- 3 + 6 =

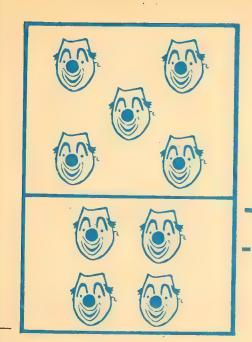
- 9 6
- -6 ©s
 - Ø s

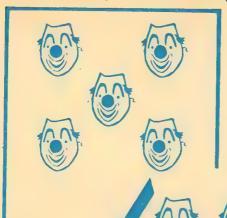
$$\frac{3}{+6} + \frac{2}{+3} + \frac{7}{+1} + \frac{1}{5} + \frac{3}{4} + \frac$$

$$\frac{1}{+7}$$
 $\frac{3}{+6}$ $\frac{3}{+4}$ $\frac{3}{+6}$

$$\frac{9}{-6} \quad \frac{5}{-3} \quad \frac{9}{-6} \quad \frac{8}{-1}$$

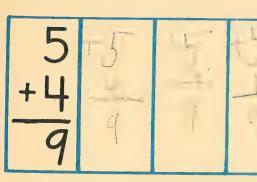
$$\frac{9}{-6} \quad \frac{8}{-7} \quad \frac{7}{-4} \quad \frac{9}{-6}$$

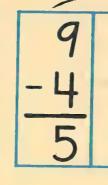














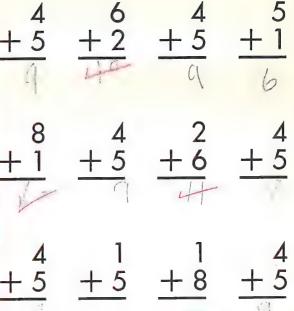
$$5 + 4 = 4$$

A Way to Group 9 @s

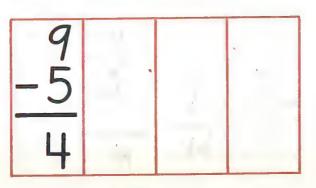












4 pennies

+5 pennies

pennies

9 is 4 and ____

9 is ___ and 5.

4 + 5 = 4

9 pennies

-5 pennies

pennies

$$\frac{9}{-1} \frac{9}{-5} \frac{8}{-6} \frac{9}{-5}$$



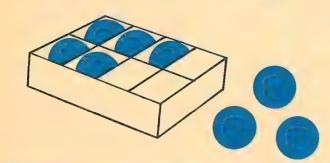
9 0 s were on a .

Down go = s.

____ \$\mathcal{B}\$ s are left.







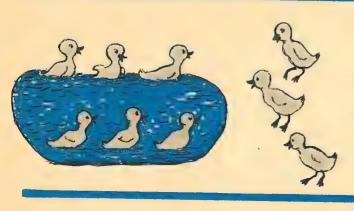
8 balls were in a box.

Bob took out 2 balls.

balls were left in the box.

-3 balls

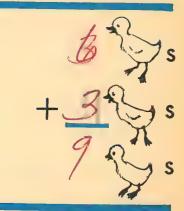
3 balls



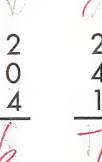
s are on the.

s come to the .

s in all



	As	1	210	As	As I
5	3/5	3/5	3/2	3/2	>6
1	2/5				/0





There were

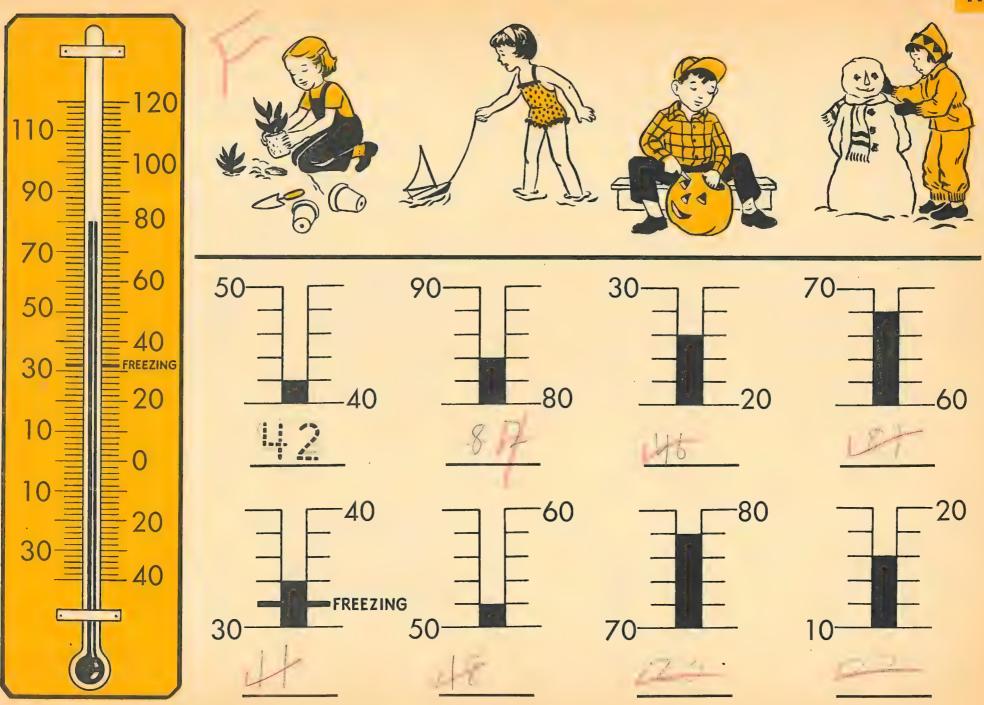


horses eat.

horses come.

horses in all

Column addition with sums of 9 or teacher will tell the class a number sum of the top two numbers of an s. As a learning aid the think which will be the mple. Then the teacher will write the third number of the example on the board. This will be class practice.



Can you answer?

This is Jack's dog.

This is how to find his name.















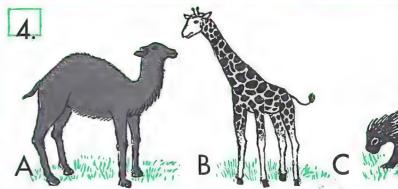
first letter \mathcal{B} second box second letter ... last box third letter. A... first box fourth letter. C. . . third box fifth letter . . . K . . fourth box sixth letter sixth box last letter... Fifth box

2. Each clock shows what time?





Which is the longest? Which is the shortest?



Which is the tallest?

Which is the shortest?



MAY								
S	М	T	W	T	F	S		
				1	2	3		
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30			

What day of the week is

May 3? ____ May 16?

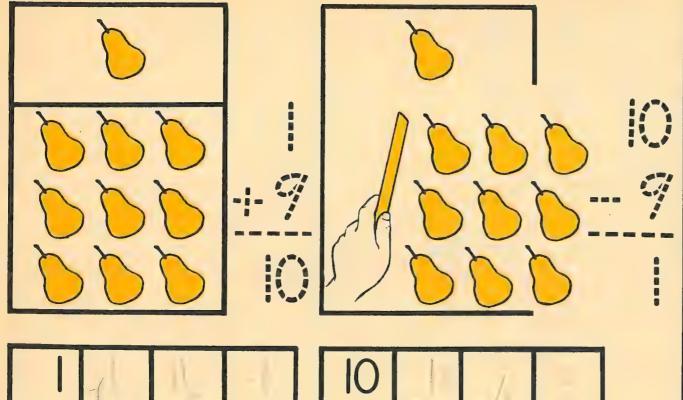
May 26?

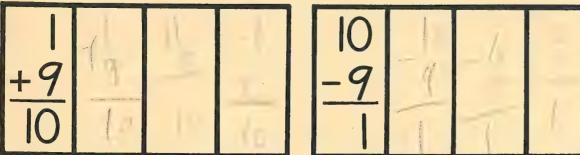




dren talk about the number story in the grouped picture at the left; dramatize the story with objects; make a disk picture of the control of

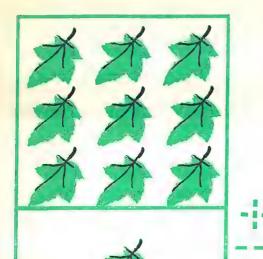
A Way to Group 10 bs



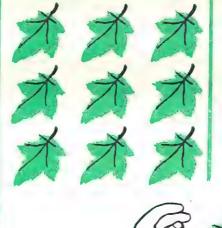


$$\frac{1}{+9}$$
 $\frac{6}{+2}$ $\frac{1}{+9}$ $\frac{5}{+4}$

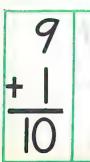
A Way to Group 10 s

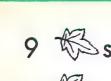












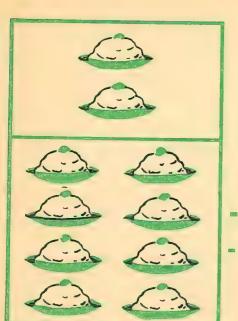
$$\underline{-1}$$

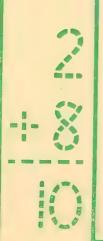


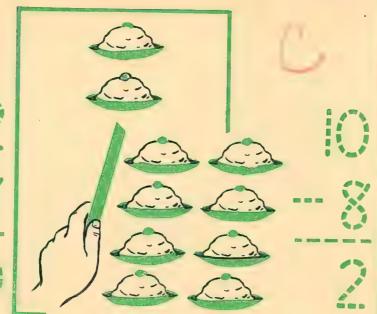
$$\frac{9}{1} + \frac{7}{2} + \frac{9}{1}$$

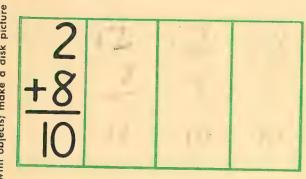
the story; then fill in the missing numbers. Follow a sin plan for 10-1=9.

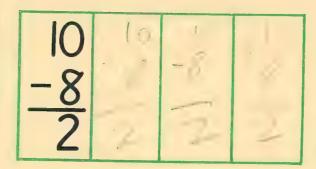
A Way to Group 10 🔷 s











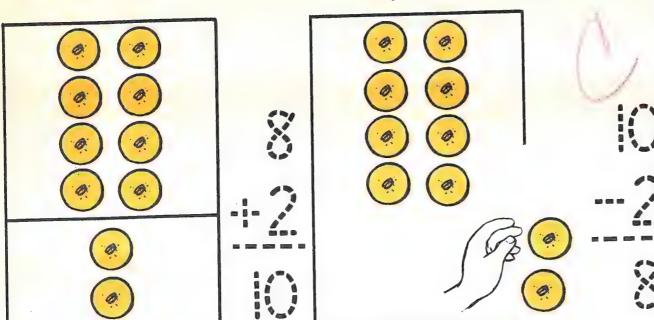
$$-8 \otimes s$$

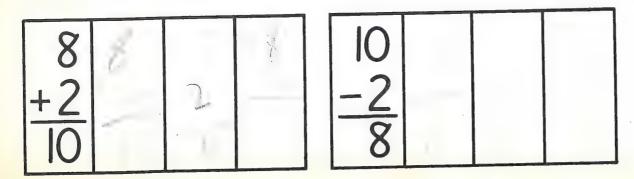
$$2 + 8 = 10$$

$$\frac{2}{+8}$$
 $\frac{4}{+5}$ $\frac{1}{+9}$ $\frac{2}{+8}$

$$\frac{9}{+1}$$
 $\frac{2}{+8}$ $\frac{2}{+7}$ $\frac{2}{+8}$

A Way to Group 10 @ s





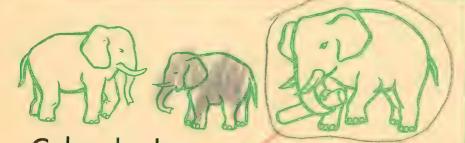
$$8 + 2 = 4$$



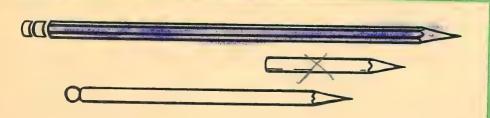




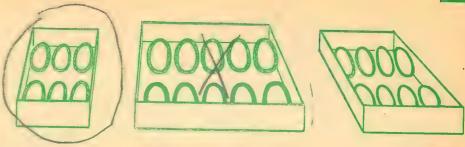
Put X on the most. Put a ring around the fewest.



Color the largest. Put a ring around the smallest.



Color the longest. Put X on the shortest.



Put a ring around the most. Put X on the fewest.



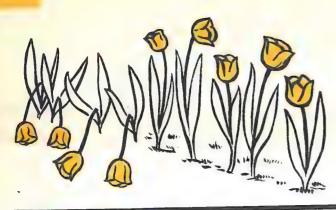




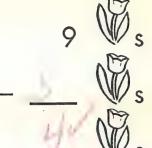
Color the tallest. Put X on the shortest.



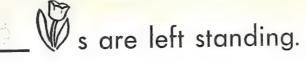
Color the tallest. Put a ring around the shortest.

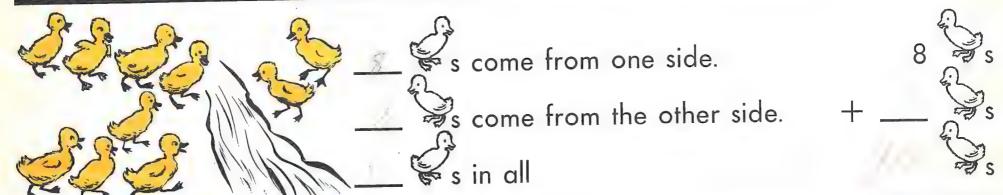


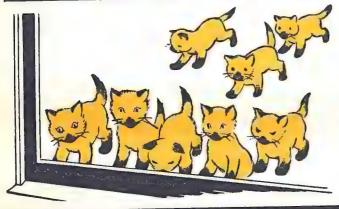




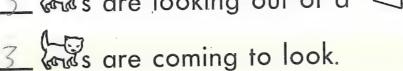
s were broken by the wind.

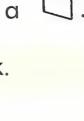






5 km s are looking out of a .





5 Brows

1 foot
$$=$$
 \bigcirc inches

Z kords in all



1. Are there 1 dozen ©s?

Yes No

2. Are there 1 dozen s?

Yes No

3. Are there 1 dozen eggs?

Yes No

4. Are there 1 dozen pieces of ? Yes No

There are 6 things in a half dozen.

0 0 0 0 0

Is this

1 dozen 🕽 s?

Yes

No

Color a half dozen () s brown.

How many ()s did you color?

How many \bigcirc s are white? _____

1 dozen ⊕s is 6 ⊕s + ___ more ⊕s.























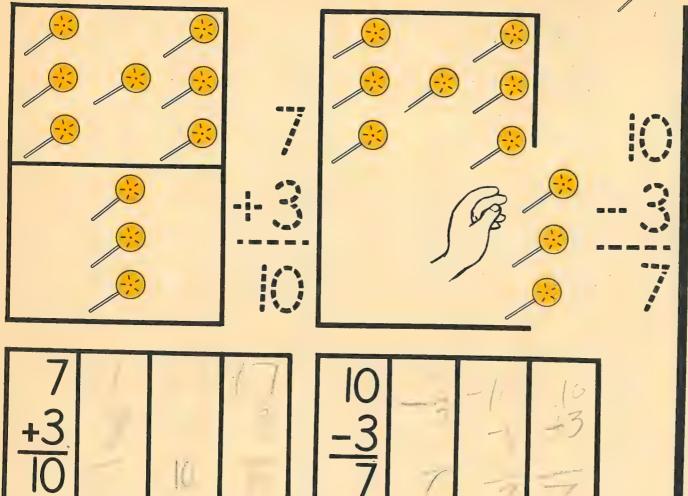
8

2 1 5

631

Visualizing the related facts 7 + 3 = 10 and 10 - 3 = 7. Children talk about the number story in the grouped picture at the left; dramatize the story with objects; make a disk

A Way to Group 10 s





S

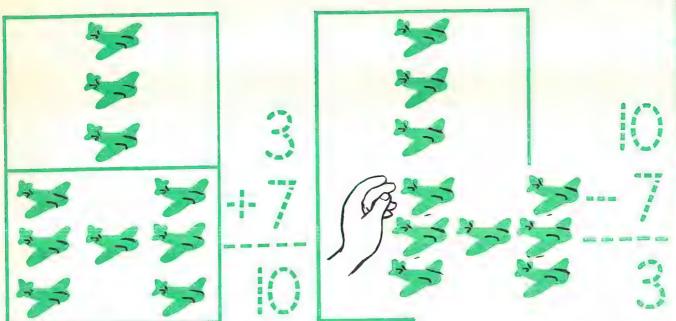
10 is 7 and _____.

10 is ___ and 3.

$$-3$$
 \otimes s

$$\frac{7}{+3} + \frac{7}{+1} + \frac{7}{+3} + \frac{9}{+1}$$

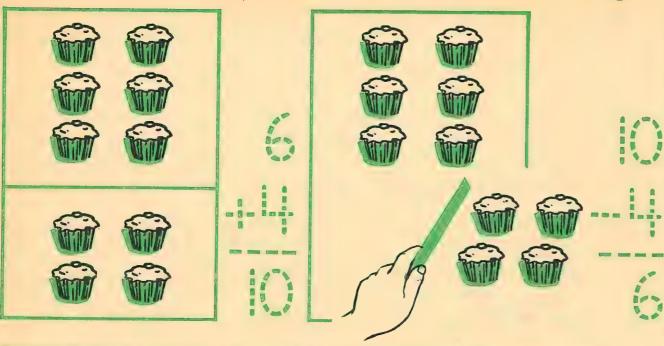
A Way to Group 10 😸 s



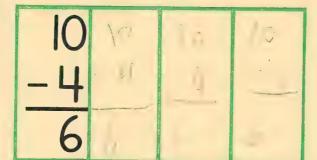
$$-7 \% s$$

Visualizing the related facts 6+4=10 and 10-4=6. Children talk about the number story in the grouped picture at the left; dramatize the story with objects; make a disk

A Way to Group 10 @s







6 cakes

+4 cakes cakes

10 is 6 and ______

10 is ____ and 4.

6 + 4 = ___

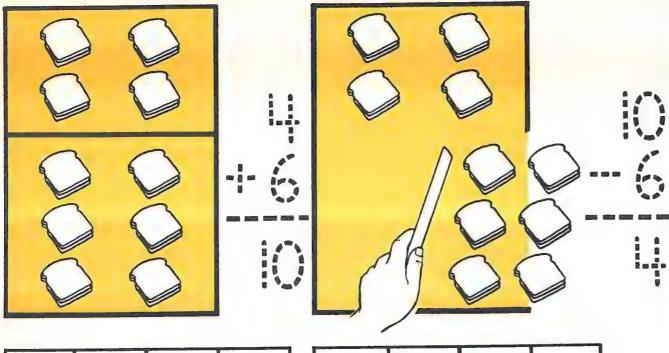
10 cakes

<u>4</u> cakes

cakes

$$\frac{6}{+4}$$
 $\frac{7}{+3}$ $\frac{6}{+4}$ $\frac{8}{+1}$

A Way to Group 10 🔾 s





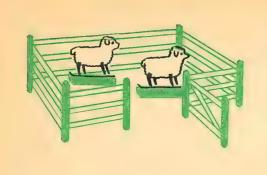
$$\begin{array}{c|c}
4 & s \\
+6 & s \\
\hline
 & s
\end{array}$$

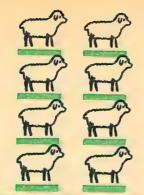
$$4 + 6 = 4$$

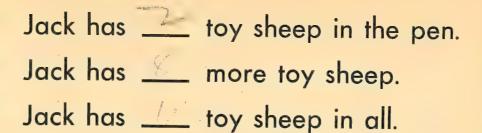
$$\begin{array}{c|c}
10 \\
-6 \\
\hline
 & \end{array}$$

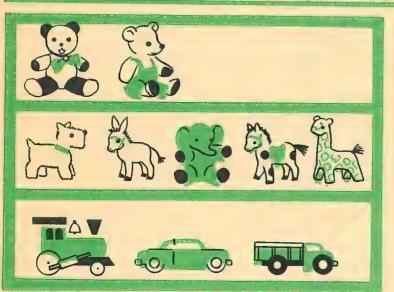
$$\begin{array}{c|c}
9 \\
-3 \\
\hline
 & \end{array}$$

$$\begin{array}{c|c}
6 & & & \\
\hline
 & & & \\$$









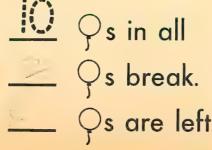
Bob put ____ toys on the top ___.

He put ____ toys on the next ___.

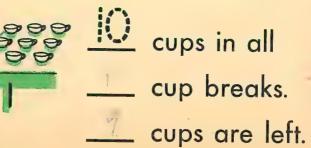
He put ____ toys on the bottom ___.

He has ____ toys in all.

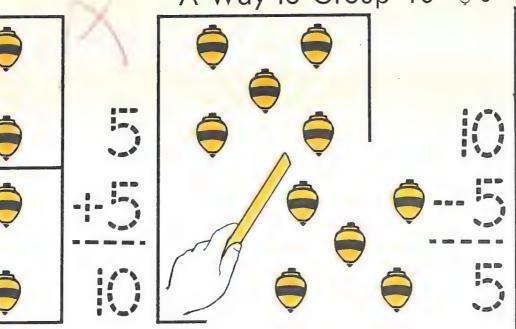


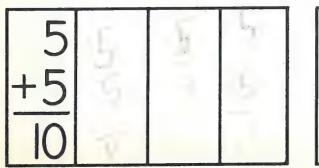






A Way to Group 10 🗦 s





5 tops

+5 tops

tops

10 is 5 and

10 is ___ and 5.

$$5 + 5 = 16$$

10 tops

$$\frac{-5}{\text{tops}}$$

Can you answer? 7. Whi Which birds are flying? Can you answer? 7. Whi a. 1 b. 3

Circle the finding numbers that tell.
first second third

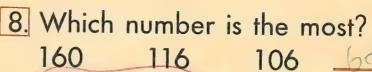
fourth

fifth

Which is cut in half? #

- 3. What number comes:
 - a. after 49?____b. before 70?__
 - c. between 58 and 60?
- 4. 34 = ____ tens and ____ ones.
- 5.50 = 1 tens and $\frac{1}{2}$ ones.
- 6. This clock shows what time?

- 7. Which is more?
 - a. 1 quart or 3 pints
 - b. 3 cups or 1 quart

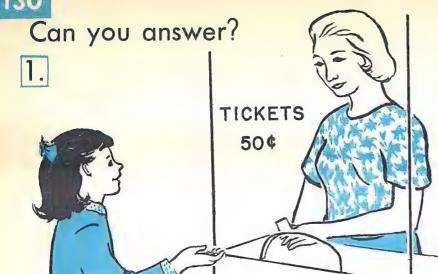


- 10. One half dollar is as much money as:
 - a. ___ quarters. c. ___ nickels.
 - b. ___ dimes. d. ___ pennies.
- 11. a. One dozen = ___ eggs.
 b. A half dozen = ___ eggs.
- 12. Tom's dog

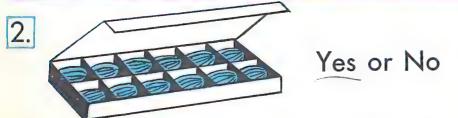
 8½ pounds

 9 pounds

 Which dog weighs more?



Put a ring around the money that Sally can use to buy a ticket for 50¢. 3 dimes 2 quarters 5 nickels



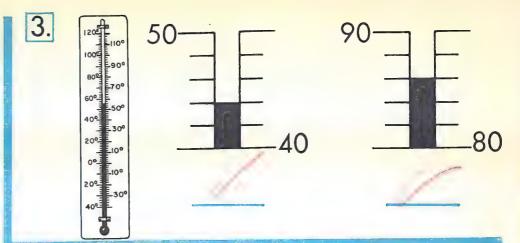
Is a dozen 6 + 6?

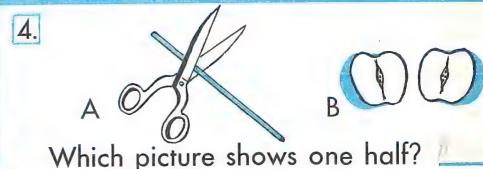
Is a dozen 2 sixes?

Is a dozen 6 twos?

Is half a dozen 2 fours? Yes No

Is half a dozen 3 twos? Yes No



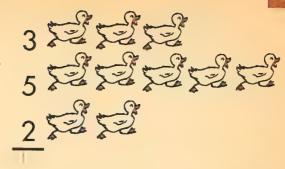


a. The number after 159 is _____.b. The number before 170 is _____.

129 and 131?

- c. What number comes between
- d. The number 109 means hundred tens ones.





1 3 6

2 4 4

7 0 3

5 2 3

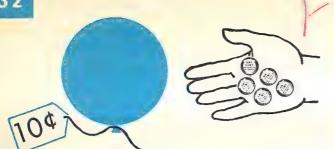
5 0 4

2 1 7

2 3 2

3 5 1

2 3 3

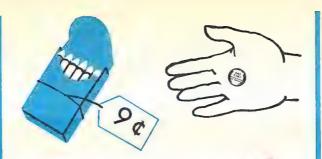


The balloon costs ____ ¢.

I have only ___ ¢.

I still need ___ ¢.

$$5 + 5 = 10$$

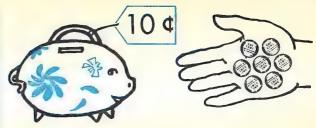


The box costs ____ ¢

I have only ____ ¢

I still need ____ ¢

$$1 c + c = 9 c$$



The bank costs

I have only

1.

I still need

10

7 + 4 = 10



The party hat costs ____ ¢.

I have only \longrightarrow ¢





The book costs ___ ¢

I have only ___ ¢

I still need ____ ¢

$$9 + 4 = 6 = 10$$





The heart costs ____ ¢

I have only

____ ¢

I still need

nounce.

$$4 + 2 = 9$$

shown from the cost. They also think (as in problem $5\psi + \underline{\qquad} \psi = 10\psi$.

milk5 ¢	roll3 ¢
soup7 ¢	apple 4 ¢
meat ball 10 ¢	cake 6 ¢



1. How much does each cost?

roll soup c





meat ball \(\psi \cdot \cdot







2. How much do both cost?

roll



apple ____ ¢

soup ___ ¢

milk 5 ¢

apple ____¢

milk ___ ¢

both





both 🗸 ¢

both __

3. Write one thing a child can buy for:



















2 twos are $\frac{1}{4}$. Half of 4 is $\frac{1}{4}$.









2 fours are ____.
Half of 8 is ____.





2 ones are ____.

Half of 2 is ____.













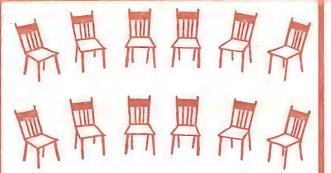
2 threes are ____.

Half of 6 is ____.

2 fours are ____.

8 is ____ fours.

Half of 8 is ____.



2 sixes are ____.

Half of 12 is ____.

2 twos are ____.

4 is ____ twos.

Half of 4 is ____.



2 fives are ____.
Half of 10 is ____.

2 threes are ____.
6 is ____ threes.
Half of 6 is ____.

			135		
24	*6	38	61	14	
70	80	50	30	05	
178	318	127	781	287	
025	502	250	205	520	
349	\$3.49	\$	\$3.94	\$4.93	
		The state of the s	110		
		1	ا ا ا	0	
2			Da-15 \$		
twenty	-four	A	one hundred fifteen		
two hui	ndred		three dollars		
-: ')					



Jane wants to buy the 👺. It costs ____ cents.



Look at Jane's money. Jane has:



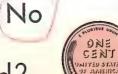




Count all the money. Jane has

Has Jane all the money she needs to buy the 👺? Yes





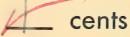
Jane needs 75 cents in all. Which of these does she need?



Bob had 3 cents. His mother gives him 2 cents. How many cents has he in all?



In a room are 4 seats in a row. How many seats are there in 2 rows?



ıts

3 seats



John had 5 kittens. He gave 2 kittens to Ann. How many kittens did he have left?

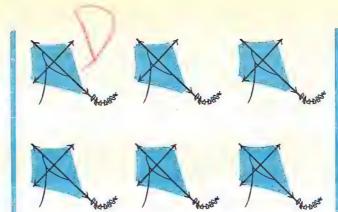




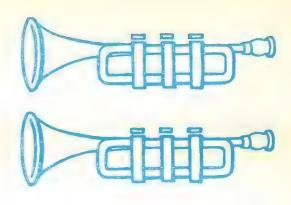
Mother has 6 apples for 3 children. How many apples has she for each child?

4 apples

2 fours are ____.
8 is ____ fours.
Half of 8 is _____.



2 threes are ____.
6 is ____ threes.
Half of 6 is ____.



2 ones are ____.
2 is ____ ones.
Half of 2 is ____.

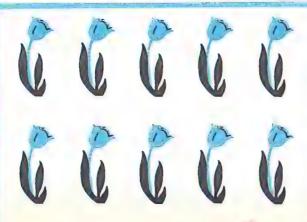




2 twos are _____.

4 is _____ twos.

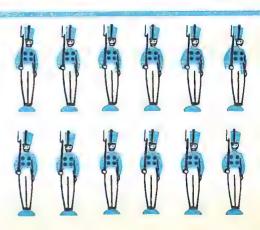
Half of 4 is _____.



2 fives are ____.

10 is ____ fives.

Half of 10 is ____.



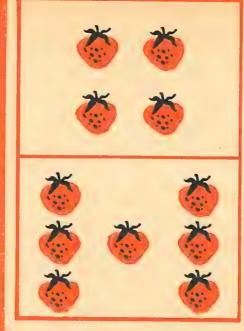
2 sixes are ____.

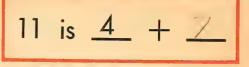
12 is ____ sixes.

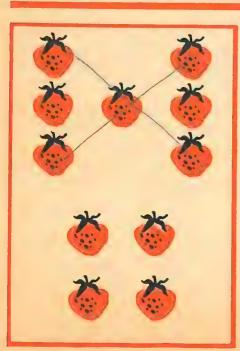
Half of 12 is ____.

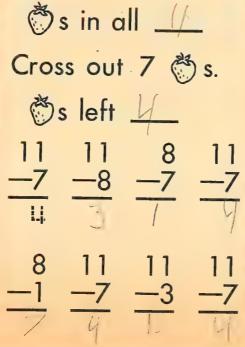
class with other objects. At their seats the children w

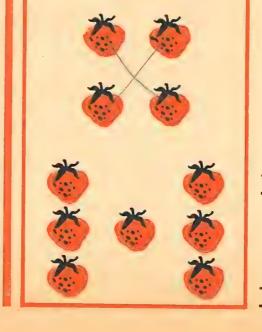








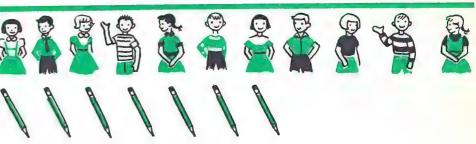




Toys in the top row _____

Toys in the bottom row ____

Toys in all ____



How many children in all?

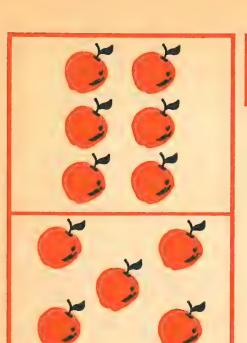
How many s in all?

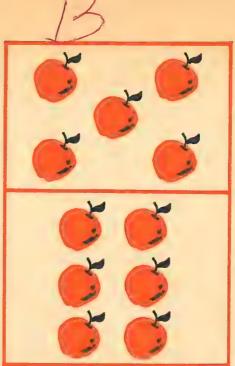
Each child should have a

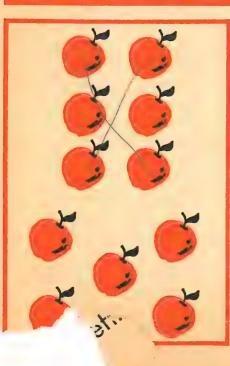
How many more s are needed?

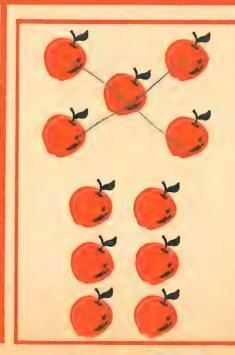
w facts in story problems. Children will use the pictures to

ly the missing numbers in the problems.





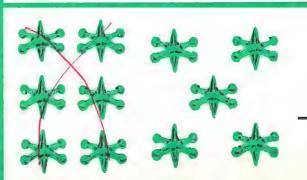






s in the short pile s in the tall pile s in all

s in the tall pile sin the short pile sin all



__ jacks in all

Mary picks up 6 jacks.

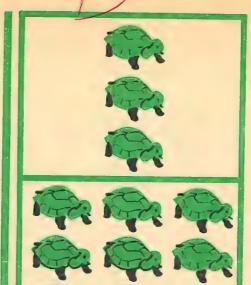
Cross out these 6 jacks.

You now see _____ jacks | f

Visualizing related facts 9+3=12,3+9=12,12-9=3, and 12-3=9. Children talk about each grouped picture,

Real	
To the	P

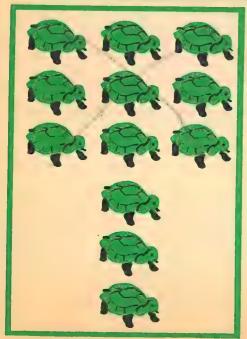
12	is .	9	+	3



12 is
$$3 + 9$$

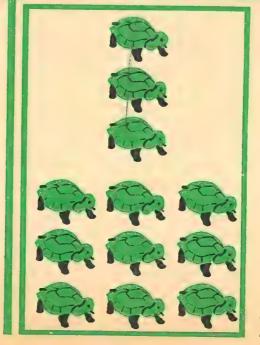
$$\frac{+9}{12} \quad \frac{+6}{+4} \quad \frac{+9}{+9}$$

$$\frac{3}{+7} \quad \frac{3}{+9} \quad \frac{+3}{+9} \quad \frac{+9}{+9}$$



s in all

Cross out 9 as.



as in all ____

Cross out 3 as.

as left

10 -3

Boo Boo

Books in the tall pile Books in the short pile Books in all 12

Books in the short pile

Books in the tall pile

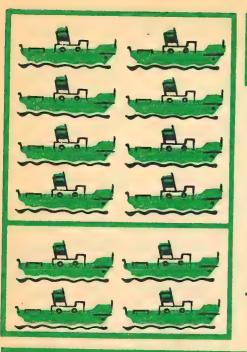
Books in all



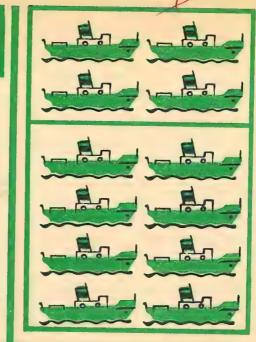
Mary takes away 3 ② s.

Cross out these 3 ③ s.

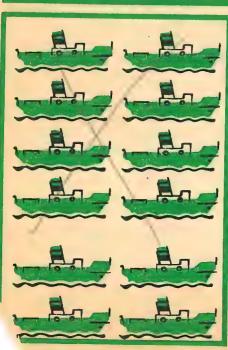
You now see ② s left.



$$\frac{+4}{12}$$
 $\frac{+2}{10}$ $\frac{+8}{10}$ $\frac{+4}{12}$
 $\frac{1}{12}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{8}{10}$
 $\frac{+9}{10}$ $\frac{+4}{10}$ $\frac{+4}{10}$



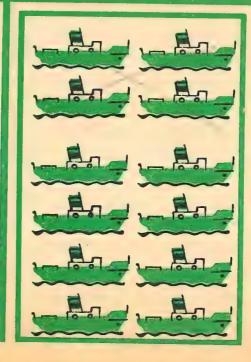
12 is
$$4 + 2$$



Boats in all ____

Cross out 8.

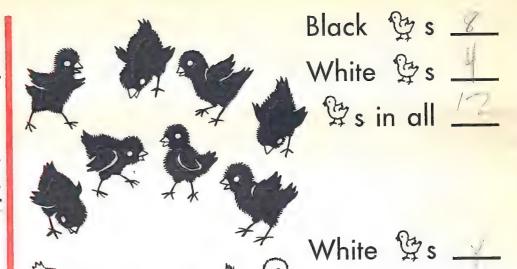
Boats left _____

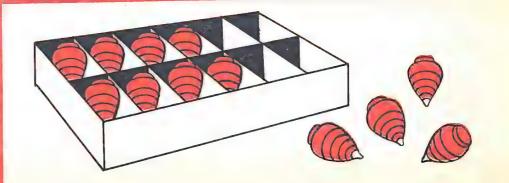


Boats in all

Cross out 4.

Boats left ____





This box holds 12 tops in all.

Jack took out _____ tops.

_____ tops are left in the box.









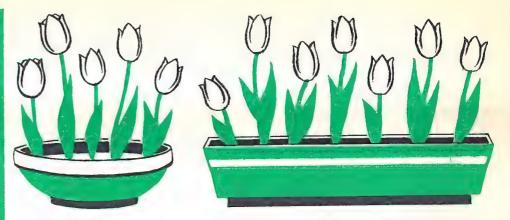


Birds left 5



Birds in all _____ Cross out 5.

Birds left $\frac{7}{2}$ 12 10 12 10 $\frac{-5}{7}$ $\frac{-3}{8}$ $\frac{-5}{7}$ $\frac{-7}{4}$ 9 12 9 12



Flowers in the little dish _____
Flowers in the big dish ____
Flowers in all ____

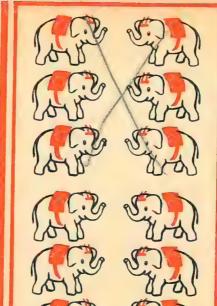


Jim had ____ os in all.

He gives Jack 5 os.

Cross out these 5 os.

Jim will have ____ os left.



Cross out 6 s.

Testing important topics presented in this book. Test includ weight; half of a group; size of numbers; review of measureme

Can you answer?





A. Bob weighs how many pounds? _______
Sally weighs 50 pounds.
Who weighs more? _______

B. Dick's mother wants 5 pounds of meat. How many more pounds does Dick need to buy?



Sally and
Mary each
get the same.
How many
pieces in all?

Each girl gets $\frac{1}{2}$.

Sally gets ____. Mary gets ____

 3.
 160
 182
 106

 136
 163
 128

Which number is largest? Which number is smallest?

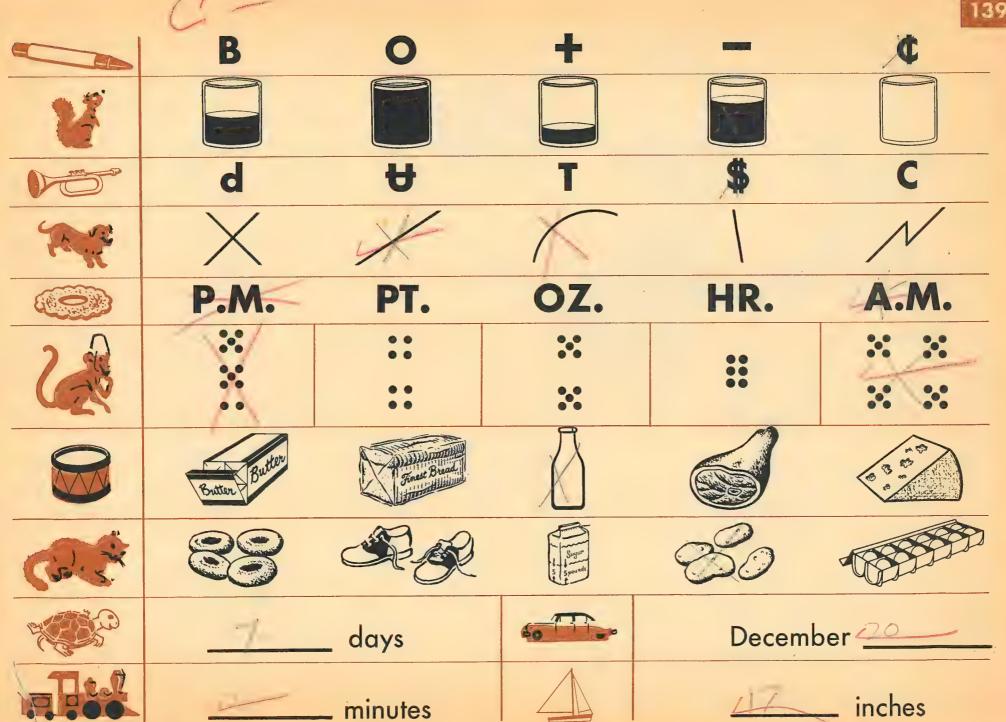
- 4. How many inches in 1 foot?
- 5. How many pints in 1 quart?
- 6. How many are in 1 dozen?

8. 1 nickel = 5 pennies.

1 dime = ____ nickels.

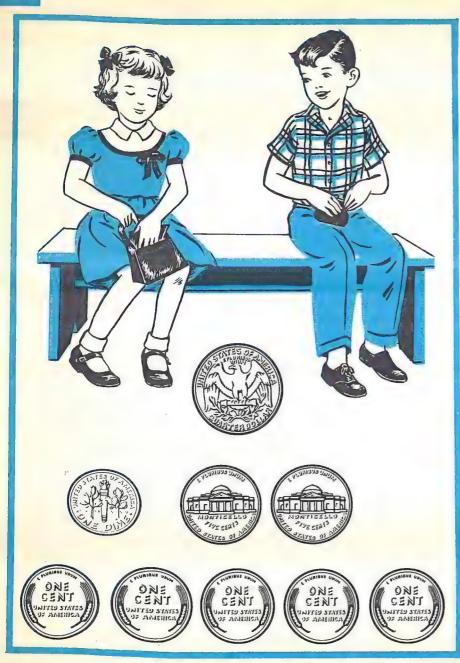
1 quarter = ___ nickels.

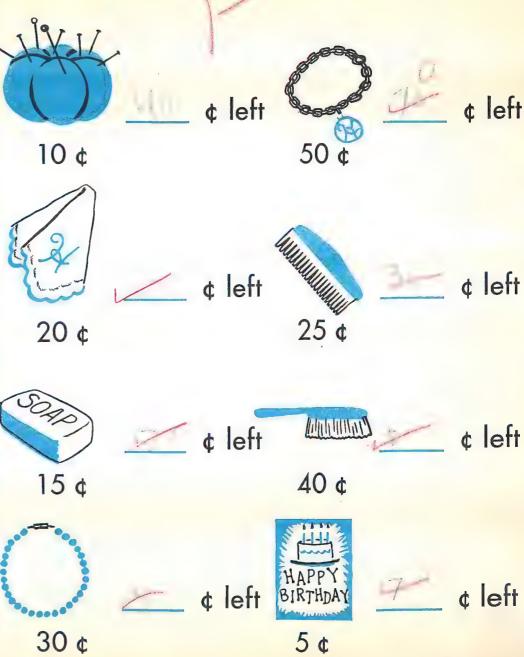
1 dollar = 24 quarters.



¢ left left 50¢ ¢ left left

5¢





The children have cents.

for giving, scoring, and interpreting this fourth part of the five-part achievement test.

Exploratory Achievement Test, Part IV, Everyday Uses of Arithmetic. This part also includes the first two questions on page 142. See the Teachers Edition for detailed instructions

<u>~</u> :	ren
then	¥
write	use ir
the r	ie pic
missin	tures
n G	10 S
will then write the missing numbers.	upply
uì.	the
	missing
	aren will use the pictures to supply the missing numbers.
	_

E TO	

JULY							
S M T W TH F S							
				1	2	3	
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	











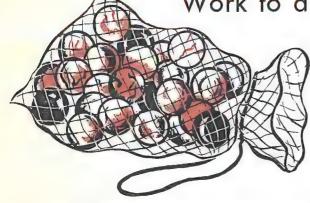












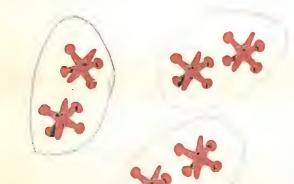


____ @s rolled out of the @g.

How many fours?

2 fours are _____.

Half of 8 is _____.



Jane is playing jacks.

She is playing the twos.

How many jacks in all?

Put a ring around each two jacks.

How many times must she pick up two?

6 is how many twos?

1		welf	0
>			0
1.	0	A.	

and 3 are



and 4 are





6 take away 3



5 take away 4







twos are

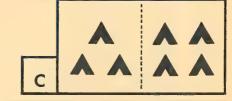


fives are







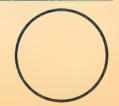




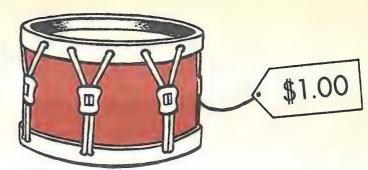








Jack wants to buy the He needs one dollar to buy it. Here is a picture of Jack's money.





























































How many cents has Jack:



cents





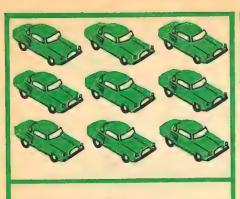
cents

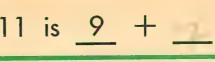


cents

Count all of Jack's money. ____ cents Can Jack buy the ?



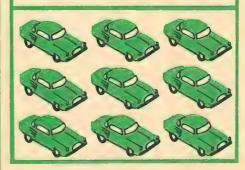


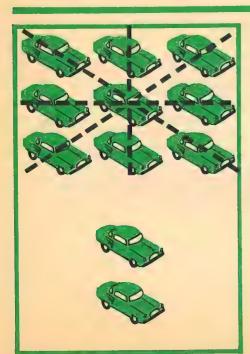






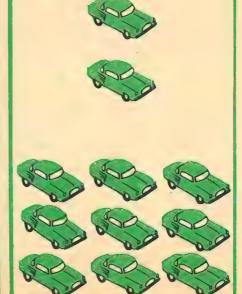




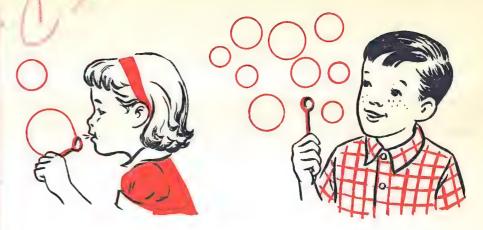


Cars in all ____ Cross out 9.

Cars left ____



Cars in all _____
Cross out 2.
Cars left ____



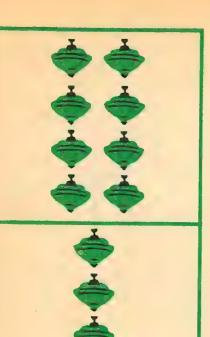
Jane's bubbles _____
Jim's bubbles _____
Bubbles in all _____

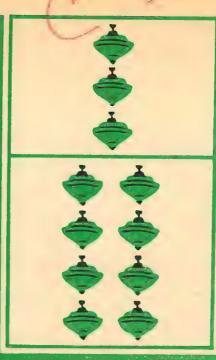


In all 11 birds were eating.

birds fly away.

____ birds are left.





11 is
$$3 + 9$$

$$\frac{3}{+8}$$
 $\frac{6}{+3}$ $\frac{3}{+8}$ $\frac{5}{+4}$



Tops in all

Cross out 8.

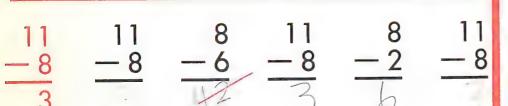
Tops left



Tops in all ____

Cross out 3.

Tops left _____





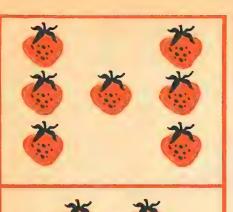
Flowers in the Flowers on the table Flowers in all



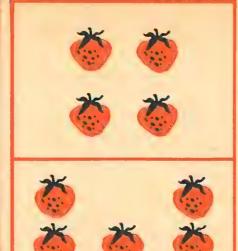
A boy had 11 toy Indians.

He took away _____ Indians.

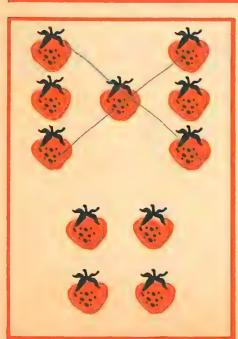
Indians were left.

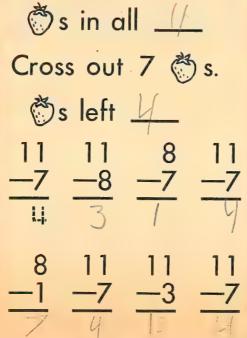


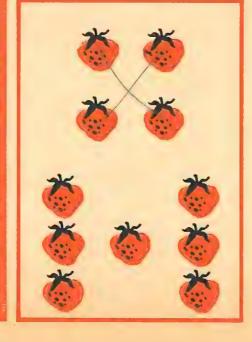
11 is
$$\frac{7}{4} + \frac{4}{4}$$



11 is
$$4 + 7$$





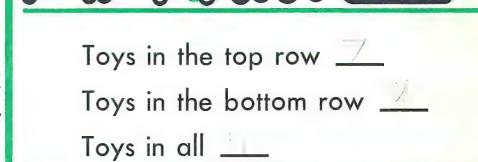


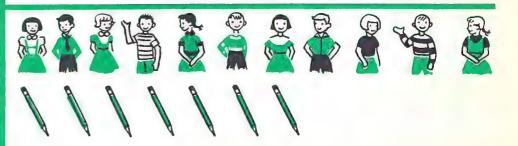
Cross out 4 \$\instrum{\text{\circ}}{\text{s}}\$s.

\$\instrum{\text{\circ}}{\text{s}}\$ s left \$\frac{7}{2}\$

11 8 11 8 -4 -6 -4 -2 \\
\frac{7}{7}\$ \frac{-6}{2}\$ \frac{-4}{7}\$ -4 -5 -4







How many children in all?

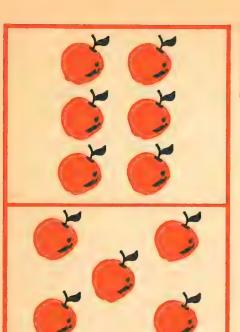
How many s in all?

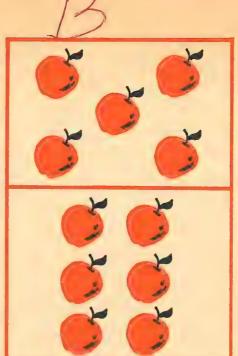
Each child should have a .

How many more s are needed?

Practice on the four new related number facts and use of the new facts in story problems. Children will use the pictures to

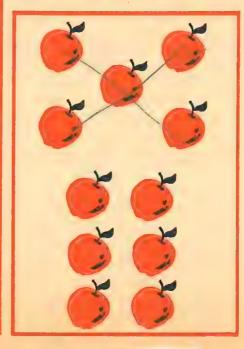
oly the missing numbers in the problems.

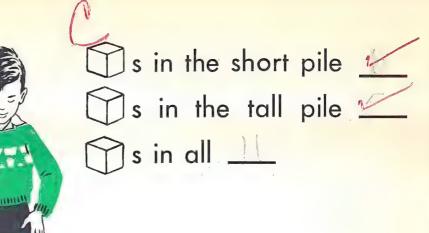


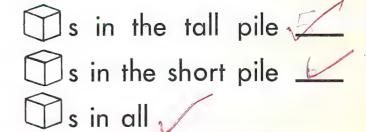


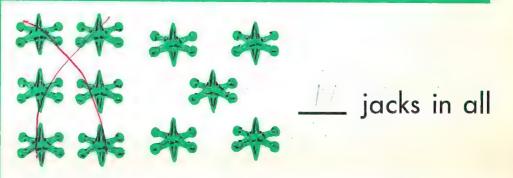
11 is
$$_{5} + _{b}$$







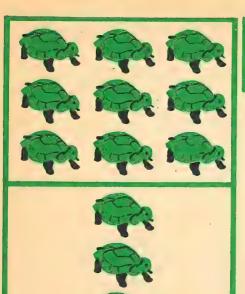


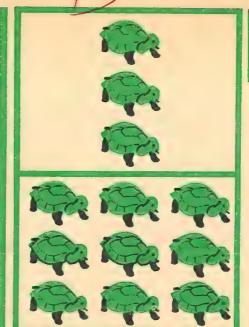


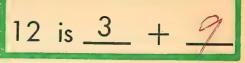
Mary picks up 6 jacks.

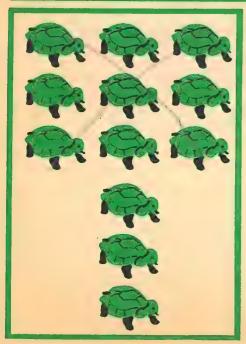
Cross out these 6 jacks.

You now see _____ jacks left.

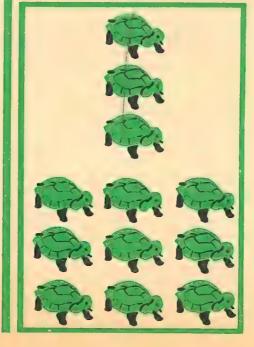








s in all ____ Cross out 9 as. s left ____



Cross out 3 as.

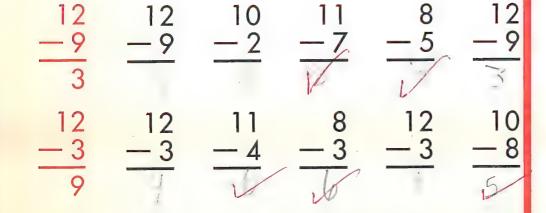
 $\frac{3}{+9}$ $\frac{3}{+9}$ $\frac{4}{+7}$ $\frac{3}{+5}$ $\frac{3}{+9}$ $\frac{8}{+2}$

Books in the tall pile Books in the short pile Books in all

Books in the short pile

Books in the tall pile

Books in all

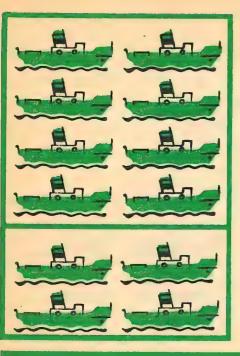


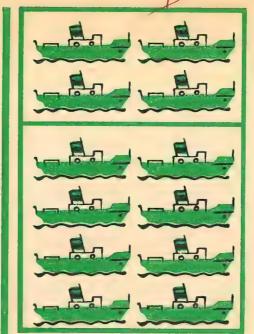


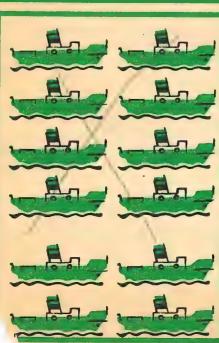
Mary takes away 3 © s.

Cross out these 3 © s.

You now see © s left.



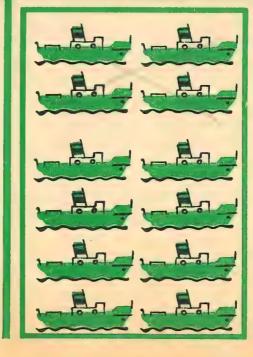




Boats in all

Cross out 8.

Boats left ____

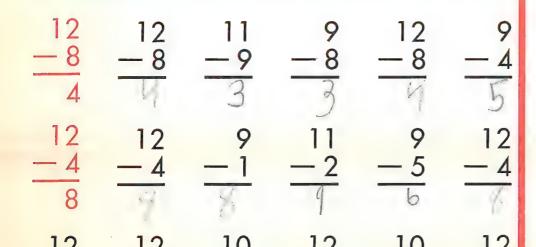


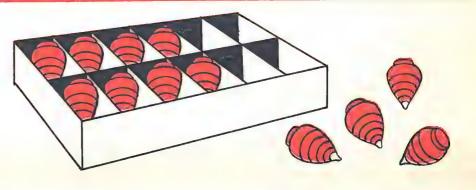
Boats in all

Cross out 4.

Boats left ____

White \$\frac{1}{2}s \rightarrow \rightarrow \text{Black }\frac{1}{2}s \rightarrow \text{s in all } \rightarrow \text{s}



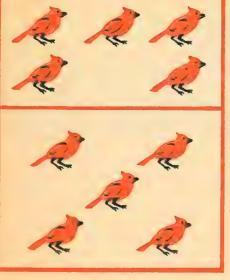


This box holds 12 tops in all.

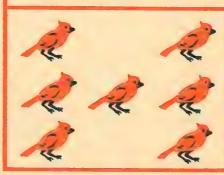
Jack took out _____ tops.

_____ tops are left in the box.





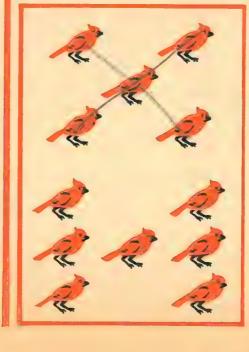




12 is
$$5 + 7$$

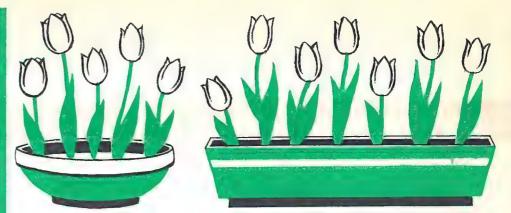


Birds in all 12 Cross out 7. Birds left 5

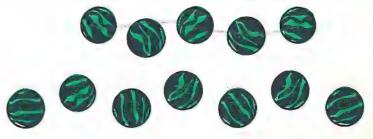


Birds in all /2 Cross out 5. Birds left 7





Flowers in the little dish _____
Flowers in the big dish ____
Flowers in all ____

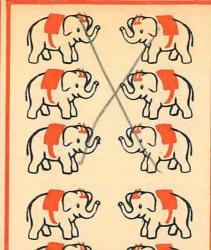


Jim had ____ s in all.

He gives Jack 5 s.

Cross out these 5 s.

Jim will have ____ s left.



Cross out 6 Fs.

Frs left 4

Can you answer?





A. Bob weighs how many pounds? ________ Sally weighs 50 pounds.

Who weighs more?

B. Dick's mother wants 5 pounds of meat. How many more pounds does Dick need to buy?



Sally and
Mary each
get the same.
How many
pieces in all?

Each girl gets $\frac{1}{2}$.

Sally gets ____. Mary gets _

 3.
 160
 182
 106

 136
 163
 128

Which number is largest? 182
Which number is smallest?

- 4. How many inches in 1 foot? 🔼
- 5. How many pints in 1 quart?
- 6. How many are in 1 dozen?



- 8. 1 nickel = 5 pennies.
 - 1 dime = _____ nickels.
 - 1 quarter = ___ nickels.
 - 1 dollar = 260 quarters.

			•

